

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "duane" <duane@flinet.com>
Subject: [2500] 4013 transistor
Message-ID: <199610220246.WAA12829@shell.flinet.com>

For your information folks the 4013 is no longer produced. I learned that it was not very tolerant to high SWRs either. Anyways I replaced mine with a ECG195 cost \$1.59c works great! I'm back on the air on 30 meters. BTW i get 3 watts output from the ECG195 its rated for 8 watts freq tol.to 150 mhz, min hfe 30. checked my explorer on a scope very clean output, you still need the heatsink on the ECG195 but it works just fine.

Duane AB4BE
<http://www.flinet.com/~duane>
duane@flinet.com
ab4be@amsat.org

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: beacon_wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [2505] Additional 80 meter beacon Reports
Message-ID: <19961020.194615.2623.0.Beacon_WB8YGG@juno.com>

I had a few more reports on last weekends beacon, and thought that I should make sure that these folks get reckognized, and appreciated for digging the signal out.

Oh, one last thing. The code word root came from the fact that I had a root beer can on the desk, and as I was keying the stuff in, I had to make a quick decision. It was almost beer!

73 Brad WB8YGG

Name: John
Callsign: VE9JM
Time/Date hrd: 19 Oct. 0150Z
RST: 339
Codeword: "root" ???
Equipment: Kenwood TS 680, with 40 metre dipole at 15 feet (!)
VVV de WB8YGG/QRP Beacon 100mW root QRP
73 de John, VE9JM, Douglas NB, Canada

>Name Jerry
>Callsign W1UI

>Time/Date Heard 0259Z/10/20/96
>RST 229
>Code Word ROOT
>Equipment QRP+, random loop via MFJ-941C
QTH EM74ix 3417' N 85 28' W

Brad, it took several minutes to copy the beacon a few characters at a time.

The sig and QRN would fluctuate so that it went from readable to not after a few characters. After a number of cycles of the message, I believe that I copied it all. GL 72 --Jerry W1UI

Al, VE3HVX 359

Ok here it is.

I'll be running an 80 meter beacon this weekend.

Details:

Rig: FT-980
Power: 100mw fixed
Frequency: 3.564.50 MHz
Antenna: Dipole. 70 ft high on north end, 50 ft high on south end.
Keyer: Atomic Keyer AK-1.
Date:October 18,19,20

Times:

Friday from 5:00 PM EST to 11:00 PM EST
Saturday from 4:00 PM EST to 1:00 AM Sunday Morning EST

Or In Coordinated Universal time:

Friday from 21:00 UTC to Saturday 03:00 UTC
Saturday from 20:00 UTC to Sunday 5:00 UTC
This Beacon will be attended.

----- End forwarded message -----

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Ed Tanton N4XY <n4xy@avana.net>
Subject: [2469] Altoids case source
Message-ID: <326BC92C.6735@avana.net>

While nosing around my local REI (camping/other outdoor stuff)
what did I spy in the trail foods section but the infamous Altoid
Mints. Been looking for one for my as-yet-unbuilt '49'er. Thought
I would pass the information along since they are a national
chain. See you all in the fox hunt tonight.

--

72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933
Voice/MBX/FAX
189 Pioneer Trail, Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140 NORCAL#1779
NCDXF SEDXC
Life Member: ARRL AMSAT IDRA INDEXA QCWA URL:
Coming Soon

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2418] Anyone interested in a homebrew ATU?
Message-ID: <326b2d12.pandora@pandora.lugs.org.sg>

Hi Gang,

I was just wondering if there is any interest in a homebrew Automatic
Antenna Tuning Unit?

The general idea is to have an typical QRP antenna tuner coupled to one
or two motors for the tuning, and a QRP SWR meter that is read by a small
microprocessor. The microprocessor will then automatically tune for the
lowest SWR, either continuously or per band setting.

Alternatively, this might be done with some kind of Op-Amp arrangement
though this is not very clear in my head. Some sort of automatic nulling
circuit can probably be built without use of digital control I suppose.

So, is there any interest in this kind of circuit? Do let me know.

Thanks.

73 de 9V1ZV Daniel

--

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*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg                    |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
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From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [2421] ARCI Contest - Wyoming
Message-ID: <2.2.16.19961021034237.13776f50@popd.ix.netcom.com>

Brrrrrr, it's getting cold in the Rockies! Down to 18 deg(F) when I was packing up the antenna after the contest on Sunday evening..

Camped in the mtns east of Laramie, Wyoming again (8200ft), but it was so windy I couldn't get up the big Carolina Windom.. Left Denver Friday evening, got to the Medicine Bow National Forest at midnight, and in the morning I put up an 80m vertical (66ft, over and across a 50ft tree, seven 70ft radials spread out on the ground), fed with ladder-line to an MFJ-949E tuner.

Started out on 40m, that antenna sure pulls in the signals! Worked lots of stations on both coasts on 80, 40, and 20 with it. Only worked 2 stations within 300 miles, so it's not much for close-in contacts. Being in the country kept the background noise below the s-meter on the rig on 40 and 20, THAT sure was nice.

Heard some big RTTY signals on 15m so the band was open, but never did work anyone in the states on CW.. Worked YS1ZRB there (and also on 20m), so 15 was open a little on Sunday..

It got sooooo cold Saturday night that the furnace in my camper could barely keep the temp inside at 60 deg.. I had to go out and put duct tape on a few joints between the camper windows to keep out the blowing snow! Then the laptop LCD screen started 'slowing down' when it got too cool..

What the heck, it was a fun contest so it made up for the cold WX..
My final tally is : 38 states
 5 provinces
 4 DXCC countries (HP, YS, KH6, KP4)

All-band entry: 213 QSO's, 85 multipliers, 5w out
 Total = 506,345 points

Sure wish the A-index had been below 29!!!!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: ALK0FRP@aol.com
Subject: [2491] ARCI fall contest
Message-ID: <961021202837_1381000897@emout19.mail.aol.com>

gang

played for 11 hours but as it looks on the thread that w5nn blew me out.

20m
173 Q's 40 spc's
40m
105 Q's 32 spc's
15m
3 q's 3 spc's
80m
4 q's 4 spc
could not get 15 to open heard w5nn running them but no opening here in
Colorado,
287 q's 79 spc's
about 620,466 pts oh well guess i have to stack my 4 el mono and 4 el
tribander.

80m 2 el loop phased
40m 2 el yagi 70 ft
20 m 4 el mono 82 f pointed east
tribander 40 ft side mount. pointed west on 20m
TS 850 5w
Digital on 14.060 and Rtty on 7.040 getting tough to copy the weak ones.
AL K0FRP

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [2499] ARCI QSO PARTY
Message-ID: <20419@sugarland.ampr.org>

First let me thank all the patient ops who put up with my dididahdahdidits this weekend. I had a great time, hope all did. I wasn't going to spend my whole weekend on the radio this time. I was going to make a few Qs every now and then, but this stuff is addicting. As long as I would sit there, I could work one more. I'm glad there is a 24 hr limit. I worked 45 states including KL7GN in AK. Got that one for WAS/QRP/ARCI. worked 5 Provinces, (sorry Bob,V01DRB, too much QRN), HP1AC, YS1ZRB, N4BP/VP9,and KP3S. I only put in 23.5 hrs, don't know what happened to the other half hr.

SCORE PER NA CONTEST LOGGING PROGRAM

80	20 Qs	490 points	10 mulTs
40	99 Qs	2730 points	33 mulTs
20	166 Qs	4676 points	48 mulTs
15	12 Qs	399 points	9 mulTs
10	1 Q	35 points	1 mult
total	298	8330	101 = 841,330

Rigs used were; OHR 400 on 20,40,80, TS 830s on 15,10. G5RV and TA32jr. 5 watts out per WM 1.

Will post the TEXAS YAH00S score when I finally get it together.

72

Bill, K5ZTY

ARCI #8817 NORCAL #1321 CQC #178 MI #1472 NE #440 QRP-L #473
WITHOUT CW, IT'S JUST CB

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [2494] Bare Essentials Transmitter
Message-ID: <Pine.SUN.3.91.961021184651.17987A-100000@kitsune.swcp.com>

In the mail today I received my copy of the Bare Essentials Transmitter article. Thank you Harley Miller for taking the time to copy it for me. Also thanks for the other transmitter schematic, which I will probably build instead, because of the probability of less shock hazard! I have a few addresses of those that were interested in a copy of this 1968 one tube marvel! Jim Hatfield,Bill Vodall,and Cleve Irby. There might of been a few others that emailed me and I misplaced there name. If I missed your or you are interested, let me know and I will send all that desire a copy of one or both xmtrs. BIG THANKS AGAIN HARLEY!!! Tom WB5QYT

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: David.Reid@asml.nl (David Reid)
Subject: [2417] Beacons - in general
Message-ID: <199610210643.IAA11222@wspub002.asml.nl>

Hey, recently there has been lots of talk about beacons....

I'm curious as to what people are using for the message sender...

I hope no-one is wasting their CMOS Superkeyer to do this little task.

I have made quite a few beacons using a PIC Chip - anyone interested in one?

It will take 250 characters of your choice and also transmit key-down for a particular period (5 to 30 seconds)

All you need it 6 parts

- 1 X 4.00MHz ceramic oscillator
- 2 X 47pf capacitors
- 1 X 3K3 resistor
- 1 X NPN switching transistor
- 1 X programmed PIC chip.

Cost of PIC chip here in Holland is currently about \$7.50 add 2.5 fer postage and send 10 bucks -

You will get:

- 1 Programmed PIC chip for your beacon.
(please supply the message you want included) and the length of key-down.
- 1 Instruction manual - including full circuit diagrams
- 1 Source code listing - IF you request it with your order.
(as someone else said - documented source code is weighty)

OK - first off - how many are interested in a beacon chip? (if any...)

then we'll sort out the addresses and stuff....

73/72 de Dave PA/G0BZF GQRP 3677 RSGB 15 yrs

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "duane" <duane@flinet.com>
Subject: [2412] blew the critter up

Message-ID: <199610210520.BAA26042@shell.flinet.com>

Ok guy's I blew the critter up. MY Explorer II that is. I was loading it into a 100 foot ladder line and 140 foot dipole thru a tuner, I noticed the output power was full scale but soon started dropping, let off the key , key down again full power then started dropping again next time no output. :(the driver trans warms up a little now, when i hold the key down, but my freq. counter can't read anything unless I put the antenna inside the rig then it reads the freq. So it's off to work i go. does anyone know how much drive the driver sends to the output trans ? is it enough that i should be able to read the freq with a meter from the outside of the radio ? is it likely that the driver and the final went at the same time ? better learn to tune a tuner better any suggestions ? My error not the RIG's. Anyways I thought the extra long Antenna would help my sig. its a 140 foot dipole at 45 feet fed with 100 foot ladder line, there should be some gain at 10mhz with this much wire right? hell thats a total of 240 feet

Duane AB4BE

<http://www.flinet.com/~duane>

duane@flinet.com

ab4be@amsat.org

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: wager@juno.com (James W. Cates)

Subject: [2450] Chuck's Award

Message-ID: <19961021.084144.4078.3.wager@juno.com>

The trophies Chuck presented to Doug and I, if not Stuben glass, only the practiced eye would know. To say that they are impressive, beautiful, does not do them justice. Thank you, Chuck.

I was embarassed by the honor conveyed upon me, and was remiss in the social graces by not properly thanking Chuck at the time, nor acknowledging the ovation from the audience, which I do now.

My embarassment is more than that it is just my nature, and I am not being modest when I say that I little deserve credit for whatever contributions NorCal has made to QRP. Doug is the engine that drives the NorCal machine, and I have the facts to prove it. I will mention only two, his trips to Vancouver, BC, to get a handle on sideband QRP, and the resulting Cascade, all the work involved in kitting it.

Not to mention putting every issue of QRPP together, hustling the articles, getting them ready for the printer, mailing the issues, and all the record keeping required. By the time one issue is out, he has

already begun work on the next one.

I will mention one more, Pacificon. That QRP extravaganza was strictly a Doug production, and the credit goes to him, not me. Which is great, because I can say that it was a huge success, without trying to pat myself on the back. Nice work indeed, Doug!

So that everyone will know my role in NorCal, and to set the record straight, well, it is pretty low-tech. I go to the post office and the bank, keep some records, rather poorly, I might add. But, I am not embarrassed by this minor role. It could be no other way. I simply do not have the talents that Doug has, not to mention the ambition and drive and ability to bring things together. That is his talent, alone. And that is what makes NorCal run. Not me, and that is not modesty; it is simply the fact of the matter.

Now, having set the record straight, let me say that I am proud to be in the shadow that Doug has cast through his many contributions to QRP. I am humbled, and undeserving. I want to thank him, Chuck, and the more than 1900 members of NorCal who have bestowed this honor upon me.

Thank you, and God bless!

jim, WA6GER.

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Stew Whitehouse <76443.501@compuserve.com>
Subject: [2445] Contest musings
Message-ID: <961021155801_76443.501_GHN129-1@CompuServe.COM>

Hi folks, just some thoughts after this past weekends QRP-ARCI contest.

1. Wonder how many times W1MK had to repeat his QTH (QSS).
2. What was the deal on 14057? I heard Germany, Sweden, Italy, England, and even 9A3F0 call CQ on that freq but they weren't in the QRP contest.
3. Some of those County Hunters put out really big mobile signals.
4. After finding W5NN calling CQ on 15 meters he suggested we QSY to 10 meters. Sure enough, we made contact on 10 with good sigs. This gave us contacts on four bands! Did anyone else make a contest QSO on 10?
5. Near the end Bob, AE4IC and I were fighting each other for K5AM. We never did work each other though. You had a good signal into FL Bob!
6. W8MVN was never below an S7 and at times was S9+20!! on forty meters. I don't think he has a good receiver thou.
7. Don't need CT but sure hope that Zack Lau QSLs. Same with a certain

list member in Newfoundland!

8. I think I'm getting too old for long contests. Hazelnut flavored coffee and cherry bugjuice (Navy people know what it is) kept me going.

Hope you all as great a time as I did.

72 Stew ke4yh

Dunedin, Florida

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: rright@primenet.com (Roger Hightower)

Subject: [2485] CT BBS?

Message-ID: <199610212256.PAA19511@primenet.com>

It's been a while since I used CT (I have version 8) so I thought I'd update my software.

Seems the BBS number listed in the manual has been disconnected. Does anyone have any info on the new number, or if it is even active anymore?

Since I upgraded to Windows 95, CT Version 8 doesn't want to run right.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: mbarnes@islandnet.com (Mary Barnes)

Subject: [2473] Cutting coax braid

Message-ID: <v01540b02ae918c9d00e5@[198.53.172.125]>

After a summer and early fall of house building and moving I am finally getting back to building more interesting things and have started the St Louis tuner. I immediately ran into a familiar problem, that of cutting coax braid in a neat manner without nicking the underlying foam insulation. My usual technique is to unbraid it to the point where it is to be cut, use my diagonal cutters to snip it off and then try to smooth things back in a reasonably neat way, but this is decidedly unsanitary. I've tried cutting it with an X-acto knife but the braid merely separates rather than the wires being cut, even if I wrap it with masking tape first.

There must be a better way and everyone but me probably knows it. I thought of using one of the thin abrasive discs on a Dremel tool, but mine is at my house on another island and I won't see it for awhile. Any words of wisdom would be most appreciated.

Cheers es 72/73

Bill (using his spouse's Internet account)

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: meh@cbsms1.cb.lucent.com (m.e.hartwell)
Subject: [2457] digest QRP-L d#519
Message-ID: <199610211826.0AA16541@emsr2.emsr.lucent.com>

Hello all

Can some one send me digest number 519, the header on mine said there were 51 messages ending at number 2358. However my digest ended suddenly at number 2317. quite a few short.

Marty

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: NZ8J <timcook@erinet.com>
Subject: [2435] Fall ARCI Contest
Message-ID: <326B7B31.2FA2@erinet.com>

Seemed like the best conditions I can remember here in SW Ohio for this contest in some time...even managed a couple of 160m qso's. Worked a few milliwatter's: N9ZZ, WA1GWH Garry in Mass 50MW!!, and the ARK 49'r as well to name a few. Used my IC-735 (no cw filter yet, Thank God for the OHR SCAF!) and a 135' zepp or 3 element tribander. Used the contest setup for my Logic Logging program, and a CMOS Super Keyer II. I also let the KH6 slip through for KH6CP/1 and had to fix that. Wondered where that extra country came from!! hi hi...

All Band entry: 268 qso's/93 mults for 730,422 points.

can't wait for the next one!!

Tim

NZ8J

ARCI-4099 * G-QRP 615 * MI-QRP 115 * NE-QRP 50 * NORCAL 267

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: Bob Edwards <rbe@atlanta.com>

Subject: [2498] Fall ARCI Contest

Message-ID: <326C5634.2A4F@atlanta.com>

This is a multi-part message in MIME format.

-----505D7080D73

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Met the local QRP gang for the fall meeting of North GA QRP Club.
Had show & tell & a good time, 1100Z, Sat.

My best effort yet, lots of fun, great weather here and had a brilliant
Silver Maple turning yellow /orange/red just outside my window.

Swapped the "72" for a "KEEP WARM" when I signed with Glenn, AE0Q .

May be my last time to use EXCEL & macros for logging :-(

RIG: FT-840 turned down OUTPUT: 5 watt
ANT: 80m loop, 40/20m/PQ Vert. POWER: marine battery
KEY: Homebrew TFR single paddle.
KEYER:Homebrew, 3 CMOS ICs

Band	Pnts	S/P/C
160	5	1
80	188	24
40	400	33
20	225	28
15	22	4

TOTALS 840 90

QSO PNTS 840
S/P/C 90
5 WATT PWR 7

FINAL SCORE 529,200

-----505D7080D73

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="FOOTER.TXT"

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|-----|
| Bob, AE4CA, WAS-5W, nr Atlanta, EM73wt |...."QRP", more from less....
|-----|
ARCI, MIQRP, CQC, NorCAL, QRP-L, ARS, ARRL
:EMPS QSOs=23 STATES=18 DX=?
MO,MS,GA,AR,MI,IL,KY,DC,PA,LA,TX,NY,TN,KS,MN,OH,NC,FL

-----505D7080D73--
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From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: n9zz@juno.com (Robert A. Schill)
Subject: [2422] Fall QRP Contest
Message-ID: <19961021.050151.5415.1.N9ZZ@juno.com>

IT WAS A TERRIFIC WEEKEND!

I worked the QRP contest off and on depending on the band condx and chores that I wanted to finish up. But all in all I think I did pretty well. I ran 200 MW on 80 mtrs , 40 mtrs and on 20 mtrs. I managed to squeak out 12 contacts and work 11 states.

Condx on 40 were about the best here in Arkansas, 20 had lots of digital signals around the 14.060 freq. and on 80 mtrs the qrn was pretty bad.

I have to say that I am amazed that the low power level would produce any contacts at all during a contest when everybody is looking for the louder sigs.

By the way, the rig was a TT Argonaut 515 running 2 watts into an attenuator of 10db. And that should deliver about 200 mw output to the antennas. Antennas were a 450' wire loop up 20 feet fed with 450 ohm twin lead, a Gap vertical on the ground and the MFJ 36" loop up 20 feet. All three worked very well.

GREAT CONTEST AND LOOKING FORWARD TO THE NEXT ONE....MAYBE 100 MW?

72/73

Bob Schill N9ZZ

Mountain Home, Arkansas
ARCI QRP # 4744, MI QRP #266, AR QRP #1, QRP-L #705, ARS #189
E-Mail address : N9ZZ@juno.com
Packet address: N9ZZ @ N0KFQ.#SWMO.MO.USA

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: N0oct@aol.com
Subject: [2497] Fall QRP test errata...
Message-ID: <961021215554_130761472@emout12.mail.aol.com>

Had a great time in the contest! BTW, did anyone else on the list work W1MK?? I worked him, and so did several others, and every time he gave QSS as his SPC. What gives here?

Most fun was working YS1ZRB on 15 meters! Couldn't operate long because of weekend overload, but it was fun!

72, jim n0oct

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [2507] FD 96!
Message-ID: <2.2.32.19961022034405.006a35a8@pop.flash.net>

Ok, I've maintained my silence long enough! The Big Texas Hombres are fast encroaching on the lead spots in the 1A Battery category, up to #5 this year. We listed 5 ops, but we counted 2 wives. They did help a little...

We had a blast, look out for us next year! We went from #11 to #5 in 1 year, you guys better look out for us rookies!

73,
Kerry

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      (  )
      ( oo )
|-----oo00--( )--00oo-----|
| Kerry Miller                      Royse City, TX |
|                                     |
|                               WD5ABC |
|                                     |

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|-----|
kmiller@flash.net

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [2463] Field Day '96
Message-ID: <M1109310.006.n34x5.1.961021185323Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Never thought about posting Field Day results here before, but seeing others,
thought I might as well toss out our results.

Alameda County Radio Club (San Francisco Bay area of CA) has now won first place
in Class 8A for the ELEVENTH year in a row.

I gave the QRP FD talk at Pacificon, and got to announce this there for the
first time.

Neat group of people to FD with, and WE ARE NOT CONTESTERS. One of our members
is a great barbeque cook, so when the dinner bell rings, the entire site shuts
down. We just disappear from the air for an hour or so!

After dinner, we wander back to our stations and get going again.
Very laid back, and lots of fun trying out antennas we could never hang up at
home.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: kf2ph@juno.com (Nick Franco)
Subject: [2411] Fox Schedule for KF2PH
Message-ID: <19961020.233300.9974.3.kf2ph@juno.com>

Hi Hunters,

Monday night I am the Fox! I will be on the air from 0200 - 0400 UTC
10/22/96 - which is Monday night. I'm not going to go through all the
UTC to local conversions for you. I'd probably make a mistake anyway
:-) But Monday night is it!

I will be using my NW-40 and my Butternut HF6V. I just lost my horizontal wire in a storm so only the vertical will be possible. I don't have a frequency counter on the NW-40. I will be somewhere near 7.040. I will look for a relatively clear spot near 7.040 +or - 5 and start from there. I hope not to have to move once I start, but if there horrible QRM right on me I will try to announce that I'm moving up or down a little. I will not be flying either. Listen for someone calling at about 15 - 20 WPM. The worse I feel the condx are the slower I will try to go. I will call CQ CQ CQ de FOX KF2PH FOX KF2PH K.

Good Luck all you hunters - hope I hear you. I will post results ASAP. This is my first ever Fox attempt so please be patient - you may have to repeat things here and there.

If you have any questions please email my work address -
kf2ph@bnl.gov

Sorry for the late post - I was away since Friday.

72 es GL,
Nick - KF2PH
Lucky QRP-L # 13

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2493] FOX Standings V3.0
Message-ID: <199610220053.AAA01251@chuck.dallas.sgi.com>

Foxhunt Current Standings Version 3.0 October 21, 1996

End of Inning #1 CA-4 TX-2 October 20, 1996

Fox Scores

CALL	CONTACTS	STATE
AB5OU	37	NM
AE9K	23	WI
K2NF	59	FL
W03B	29	MD
NQ7K	37	AZ
N9DD	40	IN

Novice and Tech+ Scores

KB0ROL	12	CO
WD4MSM	5	IN

Totals 242

Note: X.5 means X regular foxes and .5 means one Novice(5 pts) so that score is X+5. Only one Novice per non-Novice stn. So when you see 3.5 that means 3 regular and 1 novice for total of 4 contacts, but 8 points total. Only one Novice allowed for the season for stations other than Novice/T+. More details when Novice/Tech schedule finalized.

Hunters Scores

Leaders: K1MG(5.5) KK5R0(5.5)

W0CH/m(3.5) AA0XI(4) W00Q(3) WB0CLD(2) AB0CD(2) KI0G AA0XZ
N00I WA0FGV NI0A K0EVZ WA0RPI KD0SU KB0VCC AA70A
N0TFI

K1MG(5.5) AK1P(2) WA1QVM(3.5) W1HUE(2) N1RXT KA1AXY N1QQV
AA2WJ(3) AA2PF(2) N2G0 WZ2T N2VPK(1.5) K2VNM N2YRJ N2TNN
K3ETS N3SLR

AE4IC(3.5) WB4ZKA KE4YH(3) W4STX KS4L KE4KDT(0.5) AD4ZE
N5ET(5) AB5OU KC5RAS(2) KK5R0(5.5) W5TFB(4) AB5UA(3.5) K5UP(3) WA5VQK(5)
K5ZTY(2) KK5MC/5 WA5WHN AC5II(2) N5JKY K5FO(2) WB5QMP(2) WB5QYT(4)
W5VBO(1) KK5GJ N5OCD W5HNS WA5CVM AC5CI

N6WG(4.5) KQ6AG(4) W6BAB(4) AB6DG(3) KI6DS(3) KK6MC(5) WA6NAE(3) W6ABX
K06KA KI6SN N6ULU(4) KD6ZMJ WA6MOK(0.5) K6VNX(3) N6XI
WA6HHQ(3) AA6R WA6OWR W6EMT N6GA

KK7BD(4) AB7ST(3) KC7NEV(4.5) NQ7K(3) NQ7X(6) KU7Y(4.5)
KI7MN(2) AA7QY AA7WT(2.5) WW7Y N7MFB WB7DUO KG7PV W7JDZ
AB7HI KJ7NS AB70A W7SNV AB7ST AA7WT

W8DN(4.5) WA8CDU(3.5) WB8ZJL

AE9K(3) W9UQB N9DD(2.5) KB9IUA(3) K9DZE(2) NN9K(3)

VE7CQK(2) VE3JC(2) VE3SP(2) VE7SL

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=2 STATES(w/c)=2/0 DX=0
: MO TN

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Timothy Gordish <105020.2634@compuserve.com>

Subject: [2502] Fox: KB9LGJ N/T fox results
Message-ID: <199610212310_MC1-B31-3000@compuserve.com>

Hello fox hunters!

I had a bit of difficulty at first trying to make any contacts. The noise was pretty bad and there were QSO's on the best freq. I made my first contact a half hour after starting to call CQ. From there it went much better. After I figured out the best and shorted exchange format then things got even better. Tim, AB50U, your QRP-L number took me a while to figure out! I thought you were saying goodbye!

This was a very good learning experience for me, and a good solid hour and a half of code practice. Thanks to all who gave me a call. I'll be sending QSL's to a couple of you for my WAS. Sorry TX no points here, but CA got quite a few. Maybe next time.

I will be fox again next monday Oct. 29 0000-0130 UTC.

Times listed are the times when the qso was completed.

Tuesday October 22, 1996

Time	Call	Name	State	recv.	sent	qrp-l #
00:31:05	KK5RO	VERNON	OK	539	459	325
00:41:04	KK6MC	JIM	CA	559	549	411
00:46:42	K1MG	MIKE	CA	559	449	614
00:53:10	AA6R	GARY	CA	559	559	406
01:04:08	AB50U	TIM	NM	559	559	73
01:09:19	KU7Y	RON	NV	569	569	17
01:15:15	KI0G	BOB	CO	449	449	239
01:20:58	N6WG	BOB	CA	559	559	27
01:24:59	AA0XI	MARSHALL	CO	559	559	153
01:33:10	KD6ZMJ	JACK	CA	559	569	5W
01:37:13	K06KA	ROB	CA	589	579	176

Total Q's= 11

73 de Tim
KB9LGJ
qrp-l #457 NorCal ARRL

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: John Dorson K2JHU Real Estate Consultant <jdorson@bbs.mpcs.com>
Subject: [2454] free mic
Message-ID: <199610211718.NAA02124@bbs.mpcs.com>

does anyone need a mic for a ts-140s. i sold mine last year and the dellow
did not want it (????) yours for the shipping cost.

e-mail me direct please...

John Dorson Real Estate Consultant in Brevard County Florida
E-Mail To: jdorson@bbs.mpcs.com

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-----  
| Trying for WAS -      AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|  
|                      MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|  
|                      WI                                              |  
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K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: gmdiana@kodak.com (Gary Diana)
Subject: [2458] FS: TenTec Scout
Message-ID: <9610211710.AA08527@ash.bisco.kodak.COM>

Hello All -

I have for sale a TenTec Scout HF Transciever. It is less
than a year old, is in perfect condition, with about 10 hours
operating time. The 40m module is included.

The Scout has both CW and SSB, and puts out 5-50w (adjustable
via toggle switch). It will do less than 5w (as per TenTec).
It also has a built in iambic keyer. The unit for sale also
includes the noise blanker option, which was installed at
TenTec. The Scout manual is also included.

I'd like to get \$425, shipped within CONUS.

73 for now.

- Gary N2JGU
gmdsr@vivanet.com
<http://www.vivanet.com/~gmdsr>
home: (716) 359-3941

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: QLF@mimi@magic.itg.ti.com
Subject: [2429] GEL CELL BATTERIES
Message-ID: <9610211310.AA21357@itg.ti.com>

From: Brad Bradfield QLF

Subj: GEL CELL BATTERIES

Good morning QRPers and QRPettes - -

Since we seem to have a somewhat recurring thread on gel cell (and other) batteries, I thought I'd throw some observations out here for your comments and/or suggestions.

I recently bought a new 12 Volt, 7.2 AH gel cell. (Panasonic LCR12V7.2P) I also have a commercially made charger designed for gel cells made by Uniden. It's actually made for charging camcorder gel cells. The maximum charge rate, per the charger spec, is 700 mA.

I watched the battery and charger when charging just to see where it shut off, which takes place at a battery voltage of about 14.8 V. After the charger shuts off, it apparently goes into a trickle mode of some kind (I don't have any way of easily measuring charge current) as the battery terminal voltage continues to very slowly rise to near 15 V.

Disconnecting the charger and monitoring the battery voltage for an hour finds that it has dropped to 13.06 V with no load other than the high impedance DMM.

Next I recharged the battery and after disconnecting the charger I place a 180 mA load on it. After an hour the battery voltage has dropped to 12.80 V, after two hours and ten minutes it is 12.73 V, and after twelve hours and 20 minutes it is 12.46 V.

Having no prior experience with gel cells, my question is; does this appear to be a fairly normal discharge cycle for this type battery?

Thanks for your comments and suggestions.

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE Electrical Design Engineer
(H) 817-321-2960 Texas Instruments, Inc.
(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: bachmann@ari.net

Subject: [2506] HB: Decal paper for Laser Printing

Message-ID: <199610220339.XAA07721@mtolympus.ari.net>

Hi gang,

I saw a posting on boatanchors about decal paper that you can print with a laserprinter. The first place, Micromart doesn't carry it anymore. The second place sent this email:

<---- Begin Forwarded Message ---->

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>

Subject: [2409] Heath IG-72 manual

Message-ID: <4D69A0B3AA8@manage.paccd.cc.ca.us>

My apology for the public posting. Would the individual who wanted the Heath IG-72 manual e-mail me? Copy has been made but I misplaced your address. Thank you.

73, Harvey, N6MM

hdhetland@paccd.cc.ca.us

N6MM EMPS 1996: 82 QSOs, 15 states, 2 DXCC countries.

WAS: CA WA ID CO AZ MI TX OR NM KS UT MO TN VA WY

DXCC: W VE

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: Bill Myers <bmyers@destin.nfds.net>

Subject: [2483] Icom 735 Question

Message-ID: <1.5.4.16.19961021171032.0f974164@destin.nfds.net>

I have a question of the Icom 735 users.

I know there is an offset of 700-800 hz between transmit and receive on cw.

The question is, do I set the rit to the negative side to get both on the same freq (like I need to net)???

Thanks in advance...

--

Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL
Snail Mail P. O. Box 178
 Shalimar, FL 32579-0178
Grid EM60rk
e-mail <bmyers@destin.nfds.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE
<http://n9nvv.qrp.com/~fists>
 ^^^^ That's N 9 N V V

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [2447] Info needed: Knwd 130SE
Message-ID: <2.2.32.19961021160944.006bf708@pcc-uky.campus.mci.net>

I am not familiar with the characteristics of the Knwd 130SE (with WARC bands, V.G. condx) at all in terms of it's suitability ('likeability') for portable CW use. If anyone has had any experience good or bad I would appreciate feedback. I can trade my dusty Heathkit SB220 linear amp (V.G cond.) for it (+-) , and would also value trading advice. The owner also has the matching tuner, external VFO, and hand mike, and I can trade for just the rig or all as a group. If the 130SE is a dog, or if drifts, or parts not available, etc., PLEASE send me a warning. I think the owner is valuing it at abt \$425 (rig only). Thanks to all you fine folks in advance.

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: fmilos@quirp.East.Sun.COM (Frank Milos - SUN WWOPS New Products Project Manager)
Subject: [2452] It all started...
Message-ID: <199610211652.MAA06264@quirp.East.Sun.COM>

It all started last week when I decided to try to get some operating time during lunch here at work. I had a 40M Hamstick, 5" mag mount (didn't plan to operate while moving) and an NC-40 and had never tried this before.

Tuned the antenna for the lowest SWR but no activity. Hmmm...tried this

for a few days and still didn't hear anything. Was the rig dead? Are band condx that bad during the week? Maybe it's the high tension lines that run along the back of the parking lot inundating the receiver with noise.

I figured I try at home over the weekend. Hooked up the rig to the dipole and gave a listen. Yup, some activity there. Wait, what's this?

CQ TEST...what contest...hey, they're signing qrp? How did I miss this? Where was I?

Darn, I can't sit and play :-(Leaves to rake, lawn to mow, soccer games to go to, chores to do.

Well, I confess I was delinquent every few hours from my chores for a few minutes, hooked up the mouse straight key and managed 10 q's in 8 sections.

Not a stellar performance but fun none the less.

Thanks to the few whom I worked and their patience with my improvised straight key. At least I proved the NC-40 works!

72's
Frank - N01E

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Douglas L. Datwyler" <datwyler@mail.aros.net>
Subject: [2428] JOTA
Message-ID: <326B741E.40B7@mail.aros.net>

Ladies and Gentlemen of qrp-l,

I believe I missed every one of you on JOTA who had e-mailed me with info. I tried at 0530UTC 19 Oct 1996 to find Europe, but band conditions conspired against my 100W (yes, it took this to maintain contact with those I spoke with, and there was still trouble) and my Windom up 30 feet (10 meters). I got Eugene OR, Redmond WA, two in CA, and one in British Columbia Canada. I shut down at 0200UTC 20 Oct 1996. The Scouts did not come to my station, though they were invited. A leader came 15 minutes before I shut down. Total op time was about 12 hours in that time.

Lessons learned: CHECK ALL OF THE ANTENNA SYSTEM. I may have damaged coax outside, since it has been up for almost 4 years. DON'T TRUST THE

SPECMANSHIP, especially antennas. I put up the 1/2 length Windom on Friday, tested quickly to see if it really is no tune 40-20-10, and saw fair results on 40-20-10. 80 didn't work so well, though the tuner said it was okay, others were not tried.

Some of this applies to QRP in general.

Thanks for your time,

Douglas L. Datwyler WR70
datwyler@aros.net

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: meh@cbsms1.cb.lucent.com (m.e.hartwell)
Subject: [2439] Lady foxes, (vixen)
Message-ID: <199610211459.KAA24386@emsr2.emsr.lucent.com>

Hi all

I have been watching the digests today. Everyone is telling about all of the ladies in ham radio but so far I haven't seen anyone address the original question. I admit it was buried deep in the post. But are there any lady foxes out there? That was the question.

Marty

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [2443] LM380 modification
Message-ID: <326B9B90.3C0A@rakefet.com>

Hi guys,

In the June issue of QRPP, NA5N described a modification to increase audio output in the 49'er by adding positive feedback to the LM380. I'd like to try the same thing with my OHR 100, which also has a 380. The modification as described includes adding a 15k resistor from pin 2 of the 380 to ground, and a 1 meg resistor from pin 2 to the - side of C13 in the 49'er. Question 1: can somebody describe in more general terms where this 1 meg resistor goes, so I can apply it to my OHR 100? Question 2: what is the down side of this mod? Would it be expected to increase distortion in the audio?

Thanks!

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [2451] Looking for a cheap HF rig? One for sale!
Message-ID: <Pine.3.89.9610211102.A1381-01000000@w3eax.umd.edu>

Looking for a cheap HF rig, have I got a deal for you...

I have a Kenwood TS-120S. It's in excellent shape - some case scratches, but the face plate is spotless. It weighs about 12 lbs and is about the size of a TS-140S. It also has a problem, which will be discussed.

It covers 10, 15, 20, 40, and 80 meters. It does CW and LSB/USB. It even receives WWV on 15 MHz.

It can output between 80 and 100 watts, and go down to less than a watt.

Comes with a hand mic, power cord, owner's and service manuals, and a mobile bracket.

A single band QRP rig will cost \$100+ as a kit. This one has a digital display as well as an S-meter, VOX controls, etc., and can be run AS a QRP rig (down to less than one watt).

The ONLY problem:

Somewhere in the final amp, I suspect, is a bad capacitor that's allowing positive feedback to occur while on 10m - and ONLY on 10m. A spurious oscillation starts and pins the ALC (automatic level control) meter because it's trying to reduce the drive - of course, it's already practically down to zero because it's not what's causing the problem to occur.

This problem is only evident on the 10m band, maybe because the oscillation likes to occur around 29.8 MHz and lpf's for the other bands prevent it.

I have been in contact with Kenwood for about a month and talked at length to WA8MCQ, who used to fix Kenwood stuff. I have, after MANY hours, yet to solve the problem. I have replaced lots of small switching diodes and even soldered the drive cable's braid to the chassis. The problem even occurs when transmitting into a dummy load.

I have spent many, many hours studying the schematic and feel that it's time for someone else to give it a whack.

Asking price: \$240.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: n4so@juno.com (CHARLES K BROWN)
Subject: [2464] MANUALS
Message-ID: <19961014.214129.4431.18.n4so@juno.com>

The text file called MANUALS (just manuals) is found on the ARRL
computer
BBS 1 -860-594-0306.

The 23,000 bytes file covers military, commercial, and consumer equipment
and
lists the address and phone number of almost all sources of manuals and
diagrams
for old and new equipment.

Yes, I have a copy here on the home computer.

Ken Brown
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: jim hale <kj5tf@mctc.com>
Subject: [2440] Mighty 49er in ARCI Contest
Message-ID: <326BAC53.2697@mctc.com>

My thanks to all who copied me in the ARCI Fall QSO Party!
You really worked hard to pull me in. The 49er is no toy at any power!
Mine has the output filter & audio modification, sent to me by Bob
Kellogg, AE4IC. The little rig is in an Altoids tin, and I adjust freq
with that tiny C6 varicap! Now putting out a potent 1.26w @ 13v. I gave
it a little heatsink and leave the "hood" up for extra cooling!
The antenna is a half square at 45'.

I was able to work 20 states, thanks! 72/3's de Jim KJ5TF AR QRP #2
OH,CO,IN,TX,KY,AL,NC,GA,TN,IL,NM,PR,AZ,NH,KS,LA,OK,MO,MD,SD

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [2467] Oscilloscope thanks
Message-ID: <Pine.OSF.3.95.961021133255.26265A-100000@duke.usask.ca>

Thanks to all who gave me excellent advice about oscilloscopes. I took
the plunge and bought the Tektronic 561.

I also got a discarded Depca Ethernet card. It has two crystals: 5Mhz and
20Mhz. Has anyone designed a Superhet receiver around either crystal?

Brian

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| The grand leap of the whale up the Fall of Niagara is esteemed, by all |
| who have seen it, as one of the finest spectacles in nature. |
| -- Benjamin Franklin. |
+-----+
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From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [2453] PacifiCon (medium)
Message-ID: <199610211702.LAA18274@zia.aoc.nrao.edu>

PacifiCon was indeed a most enjoyable event. It is always a pleasure
meeting all the familiar names you see on QRP-L, the FOX hunts, the
fellas who kick our butts in the contests, etc. And yes, there ARE
some lady QRPers ... a few attended the seminars and one brought her
49er rig *SHE* built to the building contest. It was built in a small
metal box, nice front panel, speaker, key and batteries all neatly
mounted in the box.

PacifiCon is a lot different than Dayton. Sponsored by NorCal, (the

QRP part) Jim Cates and Doug Hendricks made the QRP activities A PART OF PacifiCon, not riding on the coat tails of it. There was a nice 2-page write-up about all the QRP activities in the official PacifiCon program booklet, and thus, the various QRP seminars were well attended by plenty of non-QRPers as well ... who seemed to enjoy what us QRPers were doing. And all for the same \$5 registration fee. Everything was right there in the Concord Hilton, so no renting cars or boarding busses and driving 15 miles to the hamvention, like at Dayton, and trying to cram in the QRP stuff "after hours." It was the nicest hamvention I have attended and will be back next year. It's great to see a plan come together; great job to the NorCal fellas. If you live west of the Mississippi, plan on attending next year. My round trip tickets from Albuquerque was about \$130 ... well worth it.

It didn't take long for the PacifiCon people and the hotel staff to figure out who the QRPers were ... we were the ones carrying around those black St. Louis vertical poles! (I got mine ... Area 51, here I come for QRP Afield). We need to come up with another gig next year so they'll recognize the QRPers -hi.

Can't wait for Wayne to introduce the SST so I can get started on mine for next years building contest. BTW, it was great to see crowds of people around the Wilderness Radio table all day long; shows there's lots of interest yet in homebrewing. I think we've got some new QRPers only a NC40a away!

It was a pleasure meeting each and every one of you, and hope to do it again next year. It was the friendliest, most jammed packed QRP fun I've been to yet. You Californian's are alright ... I don't care what Chuck Adams says about you!

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2449] Pacificon Highlights de K5FO
Message-ID: <199610211630.QAA02022@chuck.dallas.sgi.com>

Gang,

1. Thanks to Doug Hendricks and the NorCal QRP Club for everything.

Hilton Hotel was nice. No comparison to Dayton.
Weather was nice. Enough about the weather already. :-)

2. Even though the competition is hot and fierce between TX and CA right now I was not uncomfortable walking into the home territory of some of the big guns in the QRP world like N6ULU, WA6HHQ, N6WG, and the others too numerous for this little mind to recall. Thanks to all for their warm welcomes and warm smiles. What a group. QRPers are great everywhere.
3. The talks all were well done and the facilities at the Hilton and the work behind the scenes was thorough and professional. The audio systems and visual displays worked and continued to work throughout. Everyone had slides and handouts.
4. The surprise went well considering that we did manage to make Doug somewhat speechless. Jim and Doug are indeed two gentlemen and have given a lot to this part of the hobby over the past three years and we all look forward to the next three and many more thereafter.

Thanks to Preston Douglas and others for posting. Sorry to keep everyone in the dark but I know how many people Doug knows and how fast the grapevine is in this group. :-)

5. Thanks to Jerry Parker and Dennis at Epson for taking all the pictures that we'll be seeing later this week. The new technology of digital pictures and rapid transfer of same to computers and then the internet is going to make the old ways obsolete rather rapidly.

Here are just a few ideas on the topic and what will happen:

- a. Rapid transfer of pictures at events like Dayton and Pacificon and meetings to the internet to satisfy some of the demand for information and film at 11
 - b. Elmering will move up to a new level. You got a new QRP rig from Super Widget Inc. I got one too. We can get closeup attachments, send each other or the net progress reports, difficulties, what if I do this?, The mind boggles at the possibilities. All much cheaper than the mail, phone, and faster. Wow.
 - c. Field day pictures on Monday after.
 - d. Riley photos from the site.
 - e. New product pictures before the info hits the streets.
 - f. New ways to generate photos for the newsletters.
 - g. Editing of the pictures onsite to redo them if they can use some enhancement.
6. Doug will post the details on the building contest. Debra

Blanke won first place with here highly modified and packaged 40-9er that was on the NorCal web site for a while. Great work. The topic of YL members of the QRP world should include the fact that a YL has and can win in what some think is a male dominated hobby. It is equal opportunity here. What we need next is to have someone win one of the contests. Some of the great operators are YL's. Just look at what they do for FD.

Thanks to all that took the time to enter. They were all great. But there was another beautifully packaged 40-9er there that didn't show up in the contest. Hope that was not an oversight on their part of the part of the contest. Looking forward to Doug's next building contest.

In fact isn't there a deadline coming up on a design contest? Like in two weeks?

7. I have seen the posting about the ARCI contest during the weekend the lack of CA participation. That's because I had them all locked up in the Hilton. Good job you guys in TX. You can send me the check later. :-)

I thought that I might borrow the rig that was set up at the hotel to work one QSO but alas it was not meant to be.

8. Stan Goldstein, N6ULU, and Eric Swartz, WA6HHQ, gave away secrets on working DX using QRP levels. Stan has 136 countries with the NorCal 40 and Eric has 100 countries. In fact, now that I look it up, Stan is the only one that I've worked. Gonna have to work on that.

I was honored to work with them on giving away some of the secrets for contest operation. Note that I said 'some'. You don't want us to give the all away do you? :-)

Weekends like this last one is what this hobby is all about. People helping people and having fun. I noticed that other sessions had real serious people concentrating real hard and not much laughter. Afterwards they disbanded and left the area. Not so with the QRPers. They gathered to continue discussions and share information with each other. It is habit forming and catching.

I am sure that Doug Hendricks went the whole weekend without sleeping. Not sure how he does it. He did the same thing at Dayton. I know 'cuz I was there and I didn't sleep either.

Paul Harden, NA5N, gave one of the technical talks and he does a

great job. Derry Spittle and Ed ??? (sorry Ed I don't have the notes here) gave a talk on SSB homebrew techniques. It looks like the SSB builders because of the Cascade and the newer kits are getting to be heard from. Also a very good talk.

The big events coming up in Feb for the AZ group and then the UFO event in April were discussed. Looks like Area 51, the saucer crash site in NM, and the Marfa TX area will all be on the air. So be looking for alien abduction sites etc to work from. Alleged sites will work also. :-)

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

: EMPS QSOs=2 STATES(w/c)=2/0 DX=0

: MO TN

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [2437] Pacificon Report (also long!)

Message-ID: <Pine.SUN.3.90.961021064555.17987A-1000000@vortex.sage.dri.edu>

Hi Gang,

Look out Dayton, Pacificon is here!!!!

What a bang-up job Doug Hendricks did getting the QRP activities put together. Without the QRPers, Pacificon would have been less than grand!

Doug said he would provide the room for me and that was the last item keeping me from attending! So it's a big THANK YOU to Doug, Jim and NorCal for the hospitality!

Had to work Friday. :-(

Alarm went off at 0300 Saturday AM. Carol got me out of bed and pointed towards the door. I did take time to ingest lots of coffee just to get the eyes open.

On the road at 0400. We had a little snow storm Friday night in the Sierras. Wind down in the valley. (I lost 2 60' trees!) Over Donner Pass I went, slush, sand and all. I did my best imitation of A.J. Foyt!

3 1/2 hours later I was at the hotel. Would have been sooner but I flew past Concord the first pass! Geeeeesssh, all I did was nap for a few minutes.....

Here it was, 7:30....swap meet already open.....activity in the lobby.....people up and going.....no Doug.....no Chuck.....

Well, there are phones in the lobby.....no answers from Chuck..... got Doug.....he sounded sleepy.... :-)he said no problem, he had to get up to answer the phone anyway!

With that started one of the best weekends I've ever had! There will be a full write-up in the Quarterly and you have plenty of time to get your membership up to date!

I shared a room with some fellow, I think he said he was from Texas, and his name was Dit Dit..... I think that was it! Anyway, we now have a bet on for the ARRL SS this year!

Looks like these Texans are still stinging from the trouncing they are getting from the folks in California in the Fox Hunt.....now they are picking on us poor folks here in Nevada.....But that's OK, I'll be using my little station with some simple antenna while a Texan I know will be using something like 10,000 lbs of aluminum sitting on top of who know how high a tower..... :-) I say people would rather work NV than TX..... The bet is on..... Looser buys the winner dinner next time we run into each other!

Then it was time for Chucks talk. He started with the award to Doug and Jim. Great idea Chuck. And a good talk. Full room.

And I even bought a fishing pole from Doug/Jim.....(Jim takes the money, Doug hands out the poles.....now you know how NorCal keeps track of the money!)

All the talks were great! Doug sure picked the right people to do the talks. They are all winners!

Of all the vendors there, the big crowd was always at the Wilderness table!

One comment that was heard around the show was that the QRP gang sure have fun! While the other talks were good, they were all just sitting there.....looked like some school presentation going on.... in the QRP forums there was laughter and input from everyone! Much more fun..... :-)

Out of time, full details and LOTS of pictures will be in the Jan issue of the Quarterly. (And I'm sure Doug will have lots in the next issue of the QRPP also).

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [2413] Pacificon Report (Looooooooong)
Message-ID: <326B112E.3601@telis.org>

The first annual West Coast QRP Symposium is history, and I think that history was made this weekend. What a great time we had at Pacificon held in Concord, California. Here is an overview of the events of the weekend for those of you who were not there.

I left Dos Palos on Thursday right after school and started the 150 mile drive to Pacificon. By the time I got everything packed and ready to go it was 5:00, but I was in good shape, as it is about a 2 and 1/2 hour drive, and I didn't want to get to the bay area too soon as I wanted to avoid the traffic. Naturally, I made a wrong turn as I approached Concord, and because of highway construction, I missed the turnoff on Willow Pass road. But, I stopped at a gas station and the friendly attendant helped me find my way.

Checking in was rather confusing, as I had to arrange for 6 hotel rooms for the speakers who were to arrive on Friday, but I finally got it worked out. There was no one else there, so it was a pleasant evening of checking to make sure that all of the things that I needed were there, and of course, I discovered that I had left a patch cord for the computer at home.

Friday morning, I got up and met Jim Cates in the lobby of the hotel. We had a leisurely breakfast and went over final plans for the conference. When we got back to the lobby, Vern Wright and Derry Spittle were just walking in the front of the hotel. We greeted them and decided to go to San Jose to show Derry some of our favorite shopping places for electronic parts. Several parts emporiums were visited, and we all picked up some parts that we just couldn't do without. Jim was the official clock watcher, and due to his perserverance, we left HSC and headed for the Oakland airport to pick up Paul Harden who was flying in from Socorro, NM. Paul's plane was to land at 3:45. The plan was to pick him up and then return to the hotel.

But, I did not know that Paul had his plane flight cancelled and he had to take an earlier flight. Paul arrived at 11:00, and took a taxi to

the Concord Hilton (most expensive taxi ride of his life, as it is a LOOONG way from Oakland to Concord via taxi.) Naturally we did not find Paul when we arrived, and I found out that he had arrived, but not on the flight we had just met.

Jim drove us back to Concord, and we got the scenic view of Oakland, as Jim used to work this area when he was a parole officer. Paul was sitting on a chair, with a pile of luggage, and he certainly looked tired. But he brightened right up when we arrived and he was able to go up to the room and take a quick shower. Everyone agreed to meet at 7:00 to go to dinner. Chuck Adams, K5FO was due in at any time.

John Dundas and David Yarnes from Los Angeles and Tucson came up and agreed to join the party for dinner. John brought Jody, his lovely wife along, and she is a very brave soul to go to dinner with a dozen male qrpers. Paul and I waited at the hotel for Chuck to arrive and sent the others on to secure a table at Marie Callander's Restaurant.

Chuck came bouncing in at 7:30, and I breathed a huge sigh of relief. This was coming together. Dinner was a riot, we gave the waitress a hard time, but she was very good and a very good sport. The food was excellent, and we discussed QRP naturally for almost 2 hours. We then returned to the hotel, and we went to our rooms to get ready for the big day on Saturday.

Most of the guys got up early and went to the flea market Saturday morning, but I decided to pass and went to check out the forum room for the first presentation, Chuck Adams, K5FO and his presentation of "QRP and the Internet". Chuck had announced to the net that everyone was to be there at 9:00 and there was going to be a special surprise that they did not want to miss. I teased Chuck that I saw through his ruse, and the surprise was that there was no surprise, it was just his way of assuring a crowd at his session. Boy was I wrong.

Chuck presented Jim Cates and me beautiful glass trophies that had the NorCal logo inscribed on them, and had the following inscription:

Jim Cates

WA6GER

In recognition for generous contributions
to the NorCal QRP Club
October 1996

Mine of course, is the same except for the name and my call. What an honor and a pleasure to receive such a gift. Chuck, you had me speechless for the first time in my life. I will treasure this always, and right now it is on the mantle, right next to my only Championship Team Picture. Jim and I both say thank you for the gift. It has been our pleasure to serve NorCal, and we have gotten much more pleasure from it than we have given. Thank you to the members and to Chuck. You are special to Jim and I.

Chuck then hit his presentation running and never slowed down. The room was roaring with laughter at Chuck's jokes and funny stories.

Chuck did a great job of presenting all of the options to qrpers on the internet, and gave us a history of the 30 meter propagation study, the Fox Hunt, and the 80 meter propagation study. He also explained qrp-l, and other aspects of the internet. Too soon time was up, and we had to leave. The room held 180 people, and it was packed. A great start for the sessions. I announced at the end that we would have St. Louis Vertical poles in the lobby by the Wilderness Radio booth at 12:30. There would be plenty for everyone, as we had 40 of them to sell.

Last year we gave plaques to the speakers at the QRP forum, and I was supposed to do that this year. I did not realize that I had forgotten to take care of that until Chuck surprised us with the Glass Plaques. So, I quickly huddled with Jim Cates, explained my gaff to him and suggested that we give each speaker a St. Louis Vertical. Good idea, Jim said, and so Doug was off the hook. Whew! that was close. 12:30 came, and Jim and I were in the lobby with all these poles. Sure were getting some strange looks. Then they hit, from all angles and directions. It was like a pirannah feeding frenzy. Jim was taking 20 dollar bills right and left. Suddenly it was time to go to the forum. We had 7 poles left. By the time we got to the forum room we had 6, then we sold the last 6 in 3 minutes. Total time to sell 40 St. Louis Vertical poles: 25 minutes. Jim and I were astounded. I had thought that we might have trouble getting rid of them because so many purchased them on the list via Cabelas and Bass Pro Shops. But, that was not the case. But, Jim and I have decided that we will not be ordering any more as there is a source that has been found and they will ship single poles to anywhere.
(To be continued.....)

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [2461] Pacificon Report, Part II
Message-ID: <1.5.4.16.19961021105722.24a75ed4@telis.org>

The first afternoon speaker was Bob Tellefsen, N6WG, who spoke on QRP Field Day operation. Bob is the head of the Alameda County FD group that has won their section, 8A, for the last 11 years. This year they made 1253 qso's and they say that we are at the bottom of the sunspot cycle. Cam and Fred, make sure that we place a phone call and check with these guys next year before we decide what class to enter!! Bob's hints included the use of female ops at the SSB and FM stations, plenty of prior FD planning, and assigning team captains to all of the operating positions. He stressed the importance of checking out the site before hand, and if at all possible to build the antennas prior to the event. One suggestion that I thought was very appropriate, was that the first thing to go up are the antennas. Why?

Because nothing else is in the way. Very good point. The thing that really impressed me was the attention to detail that Bob and his group have. It was an excellent presentation, and was very well received. We had been moved to a smaller room with a fire marshall rated capacity of 88, Jerry Parker counted 156 for the first afternoon session. It was truly standing room only. After the presentation I gave Bob and Chuck their St. Louis Vertical poles, and got off the hook for forgetting the plaques.

The next two presenters were Ed Burke, KI7KW, and Derry Spittle, VE7QK. The interesting thing was that these two gentlemen have a nightly schedule at 3760 at 10:30 pacific time and have talked almost every night for the past year. Pacificon was their first face-to-face meeting. Derry and Ed did a wonderful job of explaining the advantages and disadvantages of QRP SSB operation. They discussed the block diagrams of the Epiphyte II, the Cascade and the new Dave Benson White Mountain kit. Special thanks to Dave for sending the schematic of the White Mountain to Ed in time for the conference. Derry also showed us the packaging for the "Camper Epiphyte", which has all controls on the top of the rig. It has the microphone built in, and a digital frequency readout, plus speaker, meter and all controls accessible from the top. Great job of packaging, and this is a true trail friendly radio. When I gave Derry and Ed their SLV poles, Derry immediately commented that he would quickly build a dipole and use the SLV as the center support.

I might also mention that each presentation was 45 minutes in length, and we allowed questions during the presentation, to get that "participation" feeling. All of the presenters had a very good sense of humor, and the audience really enjoyed themselves. We took a 15 minute break between sessions, and it seemed to be quite well received. 4 hours is a very long time to sit and pay attention. I also want to say that every session was full. Standing room only for all sessions on Saturday, and the Sunday morning 10:00 AM session, which I expected to attract 30 or 40, was full too! Paul Harden came in late and had to stand in the back of the room!!

Paul Harden, NA5N, author of the QRPers Handbook for Homebrewers was the 3:00 speaker and did one of the best jobs that I have ever seen of teaching. Paul is a natural teacher, and he has the ability to get information across, and he does not talk down to his audience, it is a "feeling" of two way communication that all good teachers have. Paul explained how a NorCal 40 works, and provided a handout with a schematic of a NorCal 40, Emtech NW80-20, and MFJ9020 series transceiver. He used the handout to show how each designer did slightly different things to accomplish the same end. A truly eyeopening experience. I learned more from talking to Paul and listening to his presentation than I have in years of reading. Paul is a treasure. He has agreed to return next year, and we will have him for two sessions, as there just is not enough time for him to share with us what he has in one 45 minute talk.

I really do think that Paul should get the perserverance bad luck award. He had his flight changed by the airline, he got in to the Oakland airport 4 hours early, and decided to take a taxi to the hotel. He had no idea how far it was, but now can tell you that it is \$60 worth (grin).

Don't worry, we reimbursed him. Then Sunday, Paul was to take the airline shuttle bus back, and was to leave at 10:07. His watch was 5 minutes slow, and he missed the bus. He came walking in to my presentation right after I had told everyone that he was gone and that if they missed buying a copy of his book, that they would need to send off for it. No sooner had I said that than Paul walks in, carrying his SLV pole, and a sheepish grin on his face. We worked out transportation with Bob Tellefsen taking Chuck and Paul to the airport. Thanks Bob for your help. The good news is the Paul was able to sell several more of the QRPers' Handbook.

The final presentation for the day was a DX-Contesting Panel done by Eric Swartz, WA6HHQ, Stan Goldstein, N6ULU, and Chuck Adams, K5F0. These guys have some outstanding qualifications. Stan is NorCal 40 DXCC #1, Fox QSO champion for 1994-95, and Hound QSO champion for 1995-96. Eric is NorCal 40 DXCC #2 and works tons of DX. Chuck has WAS with .95 Watts on 20M and 49 States on 40 and 30M. He said that he will pay for a ticket to Dayton next year for anyone who will make a schedule and work him on 40 and 30 meters from Alaska. Now that Chuck has returned to Texas, we can admit that we were running a training session for California Fox Hunters. Stan, Eric and Chuck, all shared some great operating hints, and you will see the results on the upcoming Fox hunts. I noticed again that there was a full house, and this presentation was at 4:00. Several of the Pacificon wheels stopped by and wanted to see what all the excitement and noise was about. They were really impressed with the response and activity of the QRP Forums.

We then broke for dinner and I announced that we would have an open house and hospitality room starting at 7:00 pm and that the 49er building contest would be at 8:00. A group of us went across the street to Tony Roma's and we had a great serving of ribs, plus every one at the table told at least one joke, which will not be repeated in this family environment. We hurried back to the hotel, and the night was just beginning. I walked into the room, and wow, a ton of people, and lots of equipment to look at.

The 49er contest was held at 8:00, and we had the following winners:

1st Place -	Debra Blanke
2nd Place -	Vern Wright
3rd Place -	Mike Gipe
4th Place -	Darrel Jones
5th Place -	Jennifer Gipe (5 1/2 years old, and she entered a paper 49er, complete with calibrated dial, antenna, and carrying case.
6th Place -	Doug Hendricks

The first 4 places received a box of Altoids with mints donated by Darrel Jones, and a SST transceiver kit from NorCal as soon as Wayne Burdick gets the design done and we get kits. Jennifer received 2 bags of M&M's, one peanut and one plain. (She refused to finish them off, as she did wanted to have a prize to show Mom). You will notice that I finished dead last. I was beaten by a 5 year old, and after I picked the judge, bribed him with free hotel room and transportation, gave him a SLV pole, and what good did it do me? Gee, this goes to show that graft just isn't what it was

a few years ago. Oh well, I did beat all of those guys who did not enter the contest!! Thanks to Chuck Adams for judging. Pictures will be on the NorCal page and in Dec. QRPp.

The room was buzzing with activity, and the neat thing was to see the interaction with all of the forum speakers by the members. What a thrill it is to meet and talk with Chuck Adams, Derry Spittle, Ed Burke, Paul Harden, Stan Goldstein, Bob Tellefsen and Eric Swartz one on one. The room was just like Dayton, lots of activity, and it went on and on and on. I finally left at midnight to go to bed, which I did not do until 3 AM.

Sunday morning, the phone rang, and I don't know who you were, but thank you for waking me up. I jumped up out of bed and showered, then went downstairs to get ready for my talk. My subject was "How to get started in QRP". I explained the various activities available, talked about building and how much fun it is and what a great way to learn. I also, debunked forever the myth that toroids are hard to wind. I did a demo with a roll of charmin bath tissue, toilet paper, Kansas Kleenex (I can say that because I am from Kansas) whatever you call it, and a piece of RG174 coax. Simple demo, and now everyone who was at the presentation knows how to wind a TP Toroid.

I used overheads that were done with my new Epson PC digital camera and my Epson Stylus Pro printer. Guys, if you do presentations, check these products out. You will see pictures on the web pages soon, and all were done with the digital camera. Special thanks to Dennis Utley and Jerry Parker for their camera work this weekend.

Monte Stark, the editor of QRP Quarterly, the Journal of the QRP ARCI drove over from Reno to attend the symposium. Ron did this at his expense, and we were able to provide a room to help out, which we were more than happy to do. Many NorCal members had questions and comments for Ron, and we were pleased that we had an official ARCI representative there. There will be a feature article in a future QQ on Pacificon, complete with photos.

Suddenly it was over. The first annual West Coast QRP Symposium was in the books. Special thanks to all the speakers, to Greg Estep and Dick Brown of Pacificon, to the members for coming, Preston Douglas for the badges and everyone for having fun. All arrangements for the conference were done by email, and it was not really that hard to do. Pacificon gave us 6 timeslots, we found 6 speakers, scheduled them, and that was it. QRP-L and QRPp are great means to spread the word and get it out. The intent was to have fun. Boy, did we have fun. Thank you to Jim Cates for all of his behind the scenes work. Jim posted that he did not have anything to do with Pacificon, that is not true. He helped plan it and he signed all the checks to pay for it. Jim is a partner in NorCal, and we share the work 50-50. I am much more visible, but Jim is doing every bit as much as I do, it is just not there for you to see, but NorCal would grind to a halt very quickly without Jim Cates.

What about next year? Yes we will have the 2nd annual West Coast QRP Symposium, and we will guarantee top quality, world class QRPers to speak. I am working on getting Dave Gauding, NF0R to come out, and have a

committment from Paul Harden to return. Plus, I think it is time for Cam Hartford and Fred Turpin to show their faces north of the grapevine. I am sure that NorCal members want to hear about the famous "Zuni Legend". Mark it on your calender, the third weekend in October, the Concord Hilton Hotel, Pacificon 97, and the West Coast Qrp Symposium.

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [2466] Pacificon: 40-9er: YL hams: etc.
Message-ID: <199610211929.0AA24031@multi2.pic.net>

QRPers:

I would like to thank all of you who made it to the QRP events at Pacificon. Not only did I have a very enjoyable time, but you made a special day for my daughter.

I had hoped to be able to attend all the events at Pacificon, and was busily building up my 40-9er to enter the building contest, when my wife's work schedule came out, with her working afternoons/evenings that weekend. That meant that I was a stay-at-home Dad that weekend and I thought my plans for Pacificon were toast, unless....

Well, I finished the 40-9er anyway, minus some planned enhancements, with "help" from my 5 year old daughter. She was quite interested in this homebrew radio idea and decided to build her own while I was working on mine. She created her own design and assembled it out of scrap paper and string, complete with calibrated knobs, cables and connectors. I asked what she was going to do with it and she proudly announced that she was going to enter the contest, too!

I was able to attend Chuck's great talk in the morning before returning home. Then, Saturday evening, Jessica and I packed up our creations and drove up to Concord for the evening QRP session and 40-9er contest. She proudly placed her "radio" up on the table alongside all the other homebrew efforts. Her Dad did the same. She had a great time talking with the other QRPers and loved the attention that her entry got. (So did her Dad, hi!)

When the contest judging started, the room got very quiet. The suspense was heavy. Judge Chuck looked at every entry, studied each carefully, and asked questions of each builder, including Jessica. After he checked over my daughter's entry and asked her a few questions, he reached into his pocket and pulled out two big bags of M&Ms and handed them to her. Everyone applauded and my daughter was walking on clouds. She came home

bragging about her "first" prize, and is still convinced that her prize is far superior to Dad's yucky box of Altoids.

I want to thank everyone there for your tolerance and encouragement for Jessica. She had a wonderful time and a very positive experience.

By the way, Saturday afternoon, she asked me to turn on the rig so she could hear some morse code. She had me copying some down on paper while she listened, then I had to read it to her. Then she practiced "copying code". I called out the letters we were hearing and she wrote them down. Then I read what she wrote. She is limited by her writing speed to about 2-3 words per minute, but it's a start. She has the idea.

So there were actually two YL winners to come out of the Pacificon building contest!

Thanks, Chuck, for quick thinking and sensitive handling of your judging duties.

Thanks, Doug, for your encouraging conversation with Jessica.

Thanks, Darryl, for your encouragement and your cookies. Jess loved them.

Thanks, Debra, for ohhing and ahhing over the paper radio.

Thanks, Derry, for adopting another granddaughter.

Thanks, everyone, for your patience, tolerance, and elmering.

Mike K1MG
Saratoga, CA

PS: Doug, I spoke with Tom Schiller, pres. of Force 12, and he was definitely interested in a group buy of those 5-element 40 meter yagis for the CA fox hunt team.

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2420] Philips New Charger IC
Message-ID: <326b290b.pandora@pandora.lugs.org.sg>

Hi Gang,

I caught this in one of my other lists:-

Philips Semiconductors says its single chip fast charge controller handles all battery types. The company claims that the TEA110e is the world's first single-chip fast-charge controller for NICAD, NIMH , LiIon and SLA batteries.

To avoid battery damage and the risk of fire or explosion and also to ensure that the full-charge condition is reliably detected in Nicad,Nimh battery packs, the Tea 1102 uses both DT/Dt (rate of change of battery temp) and peak-voltage detection.

To further enhance the reliability of the DT/Dt and peak voltage detection, both detectors are temporarily disabled for a short time at the beginning of the fast charge period and the sensitivity of the DT/Dt detector is itself temperature compensated

The DT/Dt and peak voltage detection modes can be selected individually or they can be used together. The TEA1102 has linear and PWM outputs to control linear or switch-mode current regulator transistors and the fast-charge current can be programmed to values between 0.5 and 5 times the battery's nominal amp capacity.

If the charger is built into equipment which must remain operational while the battery pack is removed the TEA1102 can operate as an AC/DC adaptor delivering a regulated voltage output rather than a pulsed charging current.

Philips Semiconductors.

(note that the SLA battery mentioned above would be our Sealed Lead Acid battery, a.k.a. Gell-Cell. Hope someone finds this interesting and useful.)

73 de 9V1ZV Daniel

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*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg          |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
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From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: Stanley Wilson <microres@crl.com>

Subject: [2476] Printing .gif files ?

Message-ID: <Pine.SUN.3.91.961021140237.17555A-100000@crl5.crl.com>

anyone know how to print a .gif file. I have a MS-DOS system.
thanks

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Ed Pacyna <73043.1704@compuserve.com>
Subject: [2495] Related QRP For Sale
Message-ID: <961022014758_73043.1704_GHB44-1@CompuServe.COM>

Buying new house and need to clean out some good stuff that might be of interest to QRPer's. There are a couple of 100W+ amplifiers, but I thought someone might like to sometimes use one with their QRP rig (i.e. mobile).

1. 75M SSB Transceiver

Professionally built on (2) PCB's. Main PCB has complete transceiver with 250mW output. Power amp. (10W PEP) is on a separate PCB with heat sink. Covers 3.75 - 4.0MHz. Requires 12V @ 2A, and a Hi-Z mike (I used Shure 444). Transceiver is single conversion with 9MHz band plan and uses a commercial crystal filter. Built last winter, and have worked 38 countries. No drift and great audio. Assembled in a RadioKit cabinet and comes w/ documentation.....\$175

or B0

2. 200W power amp. This is a commercially built amp.. High quality construction on a single PCB. Input has 3 (can be jumpered) 50 ohm T attenuator pads (1, 2 and 3 dB), a push pull driver using a pair of MRF466's, followed by a push pull final using a pair of MRF429's. There is also some circuitry that can sample the input and output signals. PCB is attached to a large heat sink. Requires 28V power (but probably will work at reduced efficiency/power w/ 12V). Covers 1.6 - 30Mhz, but you need to provide the T/R switching and Low Pass filtering. This is a linear amplifier

and requires about 1W input for 200W out.....\$125

or B0

3. 140W power amp. as described in Motorola application note AN-762.

Completed and tested but you need to supply box, T/R switching, low pass filters. This unit runs from 12V and would be excellent for use with a QRP Plus transceiver mobile operation.....\$125 or B0

4. Also have a PCB and parts to build the 20W amplifier described in application note AN-779 (see fig. 1,2 &5)....Price depends on what you

need.

and from the same application note

A completed and tested amplifier using a pair of MRF433's (see fig. 7,8 & 9). The MHW591 is not included, however, the unit has 20dB of gain and with .2W input provides 20W output. Requires 12V power. I can supply a heat sink, but you provide T/R switching, low pass filters, box etc.. Price is \$50

Shipping extra on any of the above items.

Contact Ed Pacyna, W1AAZ at: 73043.1704@compuserve.com

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2482] rufz.zip
Message-ID: <199610212146.VAA00816@chuck.dallas.sgi.com>

To repost and make sure that I didn't mess up.

ftp to ftp.lehigh.edu (FTP.LEHIGH.EDU in upper case to make sure you don't think that is a one)

cd pub/listserv/qrp-1/tools

name of file is rufz.zip

It is assumed that somewhere in your system, DOS or otherwise, you have an unzip program.

If you tell me your score after 10 days, I'll tell you mine. :-)

dit dit
: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=2 STATES(w/c)=2/0 DX=0
: MO TN

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [2442] Sweepstakes CW November 1996
Message-ID: <199610211522.PAA01606@chuck.dallas.sgi.com>

Gang,

For those that have decided to do it and for those that might and for those that can be talked into it. Here are some hints and kinks that may help you do better. These are my thoughts and may or may not be the best for you and some others can jump in and add where they want.

1. From now until the contest get plenty of sleep. In fact get lots. Of course, take time out for the job, eating, and working the fox.
2. If you exercise continue to do so. Keep yourself in shape. One of the things that people who do not do contesting fail to realize that there is a great deal of mental and physical stress for N hours, where N is large, during a contest.

You may have had some feeling of how this is when searching for the fox on 40m. You may sit for two hours without getting up straining your mind and ears to hear just a little little bit of a signal from one station. Multiply this by a factor of 20 or 30 and you get some idea of what is needed for SS or other contests. If you have done a QRP ARCI contest it is similar although more relaxed.

3. Work on your code speed 'cuz you are going to need it. Get a copy of RUFZ if you don't already have it. It is available on ftp.lehigh.edu in pub/listserv/qrp-l/tools/rufz.zip. Read the instructions. Save the text file that has all the contesting calls in it so that you can use it later for DX contests. Remove all the DX calls leaving only the US calls, VE's, and US related territories.

Now for about 30 mins or 1 hour per day from now until the contest practice and practice and practice. You don't have to tell us and you don't have to tell anyone how you are doing. This program is a very tough program. The guys that get high scores have the 14,000 calls memorized. You'll hear those calls during the test. In fact I bet that most of the contestors will not change their calls 'cuz it'll make them less known and more difficult to get the high scores for a while. They'll be disadvantaged. :-)

Don't skip a day on this practice.

4. If you feel that you don't have a chance, don't despair. Try it anyway. Everyone you talk to won't remember you anyway unless you take more than

1 min of their time. More on this later.

5. Get CT or other contest software that is setup for SS. Wire up your keying interface from the computer to the rig. Double check this. Practice using it. It'll slow you down if you don't understand the program. Last year, the first year for SS that I didn't use paper for dup and logging I messed up the first contact by hitting the wrong key. Later worked the guy and then I sent him a letter and note with QSL explaining what I did and apologizing for the snafu. It's funny in retrospect but not at the time it happened. :-)

OH, remember to put the rig on a dummy load. It'll be embarrassing to do this live on the air. ;-)

Someone else can comment on a shareware program available that has a SS simulation mode. Someone mentioned it at Pacificon and I didn't know a thing about it.

CT is shareware and if someone finds it on the internet, post the ftp site. I'm running I think 6.26 version which is an old one.

I need to fork up the \$40 and get the latest again.

CT, c/o Bill McGowan, KC1EO, 33 Trueell Road, Nollis, NH 03049
is the last address I have.

6. Secret beginners hint: You don't feel comfortable. You're frightened at the prospect of making a fool of yourself in front of a large crowd. Your heart is almost stopped or it's beating at 140 per minute. Don't fear the doctor is here.

You're going to use the computer, right? It can send at any speed. You just type in what you want sent and buffer it or use the auto exchange feature to blast the info.

So you tune the dial across the band and find someone that you can copy or almost can copy. If you are having difficulty listen to their exchange as many times as possible to get it all and then you're ready. Push the function button that sends your call and send it one time. That's all everyone else is doing. If you are lucky you'll hear your call come back and you be ready to type in their exchange. Heck, you've got it memorized. Their QSO number will go up by one and the rest will be the same. In most cases they will lie to you and give you a 599 report, but hey if they don't just copy it and enter it. Don't panic.

There you're through your first ever contest exchange. Now you are an expert. Been there. Done that. :-)

Repeat this step for 24 hours and you'll be done. Take breaks for the usual interrupts. Use common sense at all times.

7. Make sure the rig is working and peaked. Get the best antenna setup you can. If they can't hear you then you won't work them. Get everything together a week or more in advance. Plan. Take notes. Sit down in the shack and organize. Clean off the desk after taking the picture for Paul.

On the subject of the rig. Make sure your receiver and transmit frequency offset is zero, nada, zip, This will eat your lunch during this contest. This is not like working DX where an offset is required.

Take the SO to dinners the week before and the week after. Take the kids to the parks, zoo, movies, buy them T-shirts and shoes and new clothes. Tell everyone you love 'em but you just gotta do this one contest this year. It's important. Thousands are depending upon you. :-) You're important. The world as we know it is coming to an end.....

Many wonder why in the world I do the foxhunt during the week? Hey, you guys and girls had better be taking the other people in the house out on the weekends to pay for this loss of time as a family unit. Treat them right and they'll treat you right.

8. As a QRPer you start off with a handicap. You will not be able to hold a frequency. Guaranteed. Some of the big guys will be running some real power. Their filament power requirements are more power than you run in a year. Their antenna systems cost more than the mortgage on your house and the car and the yacht.

So search and pounce, i.e. move to each new contact.

What I do is the following. Start at one end of the CW band, either the high or low end and move up or down appropriately working stations. When you get to the other end, then start over. Do this for a period of time, say 30 minutes, then do it in the opposite direction. Reason: others are doing the same thing and if everyone is moving in the same direction then you are going to miss someone going in the same direction. You just might get lucky and catch them if you are going in the opposite direction. Don't and I repeat don't go back and forth. Be patient.

As a side note. The CW band will widen up a little more during this contest.

Now a lot of QRPers do this, so this is why you will not see the Q (QRPer) class in your exchanges unless by chance you run across one calling CQ. In fact, if you do find an open frequency don't

hesitate to call CQ for a few times. You might just get lucky.

9. Study propagation. Know what bands are open and when to move from one to the other, if you are doing multiband.
10. Aim for some QSO rate, i.e. the number of exchanges per hour. Most contest programs like CT display this number in real time. Here I'd say don't worry about it yet if you are new. Just try to get that number to climb. The program records this number and you can get how you did later. If you are running 5W, I'd say 30 per hour to start and then shoot for 60 per or greater.

You can get a nice pin from ARRL if you do at least 100 Q's for \$5. It's a nice badge of courage to display at meetings. Just like the big guys and their DXCC honor roll pins at Dayton.

If you call a person more than 3 times and they don't come back to you, then move on. Make a note of their call and frequency on a scratch page (the only paper you'll need if you are using a computer) and come back later if you get bored. They most likely will still be there, especially if they are in the high power class.

The exception to this rule is late in the contest when you need a section or you just gotta have the state on that band. I did this for about 10 minutes for the KL7 on 20M last year. It was worth the effort. Not recommended for the weak of heart.

11. One of the multipliers for your final score is the number of ARRL sections. Remember there is one more added this year in NY. Check your QST and check the rev level of your program.

During the contest don't worry about this until the last day. Work a lot of stations and you will get a lot of sections.

12. A lot of people give out what I consider to be bad information. IMHO. They say wait until the last day when the everyone is looking for someone new. BZZZT. These operators are good. They can work you and they do want to work you. The big guys have staked out a frequency to hold as long as they can. Go visit them the door is open. You can't work them if you are not on the air. Besides something might happen like a family emergency, kids softball or soccer game, movie, work, rig failure, etc. and they went off the air and you needed them for a new section. Don't let it slip by. Of course this can happen to you too.

Hey I did this last year with 0.95W, so I know it works (getting on early in the contest). This year it is 5W!!! From little pistol to big gun overnight. I am going for 800 Qs and I'll be doing more

1995 SS 199 Qs 66 sections 26,268 points (and a KL7!!!!)

1. Aim high.

"Fools rush in where angels fear to tread." - A. Pope

3. As the shoe commercial says - "Just Do It".

4. Have fun.

And most of all from me to you. Good luck. We're gonna need it.

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: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=2 STATES(w/c)=2/0 DX=0
: MO TN

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Good evening folks,

Just a note to inform everyone that I promised manuals or the copies
for the Hali SX-25 or the T150, I have not forgotten you. Sorry for the
delay. Been very busy. You will get them very soon. 72/73 Scott
.....
Fists 1502, ARCI 8804, G-ORP 8773, Nor-Cal 1094, NE 348, CQC 352

Scott Bauer ke3nv@erols.com

.....

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [2474] Tapped hole
Message-ID: <M1109513.001.n87w0.1.961021204307Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Larry N2ELW de N6WG:

Depending on what is around and behind the screw hole that is stripped you could do the following:

Grind up a small piece of plastic, maybe with a file, to make some plastic powder. Add some "crazy glue" (cyanoacrylate), mix and fill the hole.

After the plastic has hardened overnight, drill a new smaller hole.

Buy or borrow a tri-tap tool. It looks like a screwdriver, but instead of a blade it has taps stepped through 4-40, 6-32 and 8-?. Not sure of the last size. These taps look like self-tapping screws, in increasing sizes. Been a very useful tool over the years.

In your case, I am assuming the hole passes through something so there is room for the tri-tap to extend through the threaded area and out the other side. If you need the 6-32 tap, the 4-40 tap has to go through the hole first and stick out beyond.

If this approach isn't available, then just try a self-tapping machine screw in the hole. Do it gently, though, so you don't crack the plastic.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: wa5whn@juno.com (Jay D Miller)
Subject: [2488] Texas vs. Calif. Fox Hunters
Message-ID: <19961021.143942.4551.5.wa5whn@juno.com>

Fellow Fox Hunters,

The California Crowd should really thank the QRPers in New Mexico & Colorado. We had the pleasure of stirring up the ionosphere a bit, and look what is headed into Texas tonight, one of those fierce Snow Storms, complete with electrical activity too. Kind of kills 40 meters for them. We may have overdone it a bit, with all 14 of us NM QRP types, key down, 20 watts beamed into (Something about a butterfly flapping it's wings, in the African desert, starting a hurricane analogy ;-)) into the ionosphere, then tossing the storm up north, into Colorado, so that they could play with it & test it (anyone notice the Wx Gifs ?). That's what those Texans get, for not leaving our water alone ;-)

BTW, for the Arizona "FYBO QRP AField", scheduled for Feb. 22, 1997, I am taking the Ten-Tec Scout (5 watts), it had drifted less than 20 Hz, in an honest to goodness real blizzard, in less than 20 minutes from 47 deg. to 28 deg. F. I am ready, and I still thank the inventors of Gortex. Oh, keyer paddles (re-gap Your' Points) & LCD displays don't like cold. I was wearing Nomex gloves (Surplus USAF or USN Pilot gloves). AE0Q/7 is absolutely correct, never ever stand near a tree and (sling-shot) shoot a weight into it, while there is snow in the tree & during a heavy snow storm. Heh-Heh, You get to find out why... <Big Grin> (Hint: Wear a face mask & tuck Your' collar into Your' coat, also wear ski goggles, if You have them).

Well, the weather outside is frightful,...

72...Jay, WA5WHN

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [2414] Thank you for the Wonderful Surprise
Message-ID: <326B13CD.41FF@telis.org>

Chuck, thank you so much for the wonderful plaques that you gave Jime and I Saturday. They are beautiful, and mean so much to us coming from you. You are truly the most famous QRPper in the world today, and to be recognized by someone of your stature is the highest honor that

Jim and I could receive. It has been our pleasure to serve NorCal members, and we have both commented many times that we get much more satisfaction and enjoyment than we are giving.

I have placed the plaque on my mantle, right next to the ONLY championship team photo that I have. It will be a treasured possession always, and I will think of you and NorCal every time that I look at it.

Thank you. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: Doug Hendricks <ki6ds@telis.org>

Subject: [2415] Thank You Preston Douglas

Message-ID: <326B1495.278D@telis.org>

Preston Douglas provided all of the special qrp badges for the West Coast QRP Symposium. They were given to us by Preston as a gift, and he would not accept any reimbursement. Thank you for a job well done, and you deserve a pat on the back. By the way, Preston, we expect you to attend next year and deliver the badges in person!! 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [2490] The other side of the attic for antennas

Message-ID: <Pine.SOL.3.94.961021201022.26225E-100000@utkux4.utcc.utk.edu>

Had a couple of coincidental questions about attic antennas that reminded me that an attic has two sides: an inside and an outside. For those needing unobtrusive antennas, do not forget the roof itself.

Most roofing is nonconductive--asphalt shingles being the most common. Most roofs are peaked. consider running a wire from one corner, over the peak, to the other corner. Tuck the wire under the edges of some shingles to hold it in place.

If you can paint some twinlead to match the house paint, you can run a feedline near the house corner without it being seen. Keep it away from the aluminum downspout.

Many years ago, I ran an end-fed Zepp this way successfully. The higher the building and the steeper the roof, the better the results and the scarier the installation. Some folks claim an end-fed Zepp cannot really work because one side of the twinlead goes nowhere for infinite Z.

Reality has no infinities, and the other side is a very high Z--so the imbalance on the twinlead is nonexistent. Hence, it works.

Although there are exceptions to every rule, my thumb says that outside is better than inside, even if close. Dark enameled #22 wire or even thinner is invisible on a shingled roof.

One more idea for those whose antenna dreams are inhibited by legal or rental realities.

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [2446] Tit for Tat

>If you work it right, the coax comes out behind the station desk and
>she'll not know it's there. Be sure and do it while she's shopping, :-)
>Been there, done that, as Chuck would say. 72/73 de Roger AA7QY

Hey Guys, why not just take away her car and makeup until she lets
you run the coax? Got to give her some incentives. :-)

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2419] Trap-Dipoles. Efficiency?
Message-ID: <326b2f65.pandora@pandora.lugs.org.sg>

Hi Gang,

I have a question (don't I always have one, or more :-)). I am reading
QRP Classics (ARRL) and on page 180 that:-

"A trap style of antenna is not as efficient as a full-size dipole.
But the losses in a well designed system are usually so low that they
are hard to measure by simple means."

Okay, so there are losses. Just how much impact do these losses have on

a QRP setup? How hard is it to build a "well designed system", and under such conditions, what kind of loss are we looking at?

In particular, I am thinking of a 20/40 meter dipole with 20M traps. Okay, I know I said I had one question and there's more than one ... still, I'd like to hear from the experts? Any advise here?

73 de 9V1ZV Daniel

--

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*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg                  |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [2425] Tuner: With or without?
Message-ID: <326b562a.pandora@pandora.lugs.org.sg>

Hi Gang,

I was wondering (yes, AGAIN!) about my Tuner. This is an MFJ-945D Mobile Tuner. Now, I am actually using this to reduce the SWR on my 20M dipole to 1:1. Obviously it would be better to cut my antenna down to the exact length for best efficiency. However, I would like to know, for a non-ideally tuned antenna, will it be worth the trouble to fix up the antenna length? If the improvement is negligible then I probably will leave things alone. If there is something to be gained, then this will become my next weekend project :-)
So there... now back to more wondering. TIA.

73 de 9V1ZV Daniel

--

```
*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg                  |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: bachmann@ari.net
Subject: [2504] Turns Counter
Message-ID: <199610220330.XAA07444@mtolympus.ari.net>

Good evening,

I just received a flyer from an outfit called Kilo-Tec. They sell a basic tuner kit, roller inductors, air variable capacitors, turns counters and a few other items. The phone number is 805-646-9645.

Their 3 models of turns counters look a little pricey. One looks like a vernier with a crank knob, \$28.95. The precision digital 0-99 turns counter costs \$54.25. The heavy duty one with a spinner knob is \$89.00.

I don't have any connection with them and have no first hand experience with the products.

73, Rich, N3SLR

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [2408] Update: K8DD/C6A & AC8W/C6A QRP DXpedition
Message-ID: <2.2.32.19961021030907.006f48dc@tir.com>

The TS-50S is cranked up to 5 watts. The countdown timer is running. The radio gear is packed - TS-50S, Power Supply, AEA CK-1 keyer, Kent Paddle, string, tape, W3EDP antenna for 80M and backup, jumpers, I'm all ready to fly out to downtown Treasure Cay, The Bahamas on Wednesday morning.

Then the wife says "Is that all you're taking?" Me: "Uh, well, yeah."
Wife: "What about clothes? Where are you going to put them?" Me: Clothes?
.... Clothes? We don't need no steeenkin' clothes! We got radios!"

Boy, did I lose that one! Next thing is we'll probably have to do more than the obligatory 4 hours a week sightseeing. Shut down the radios to eat.....

With any luck at all, I'll be on 30M Wednesday Oct 23 after the sked with Stan, AC8W, to let him know what I forgot - he's coming down the 24th. Probably after dark around 10.116 +/- . I plan on operating a lot of 30M before and after the CQ WW SSB contest - except for:

7040 to 7050
8:00 PM Eastern Time October 28
7:00 PM Central Time October 28
6:00 PM Mountain Time October 28
5:00 PM Left Coast Time Sometime in October
0100 GMT October 29

73 and hope to work lots of QRP stations.

AC8W = sarnett@netra.stclair-ph.lib.mi.us
K8DD = k8dd@tir.com

*/ Hank Kohl K8DD k8dd@contesting.com <---- new
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [2501] W1MK es QSS
Message-ID: <20421@sugarland.ampr.org>

I wrote it down as QSS after sending ?? a few times and getting the same. About 2 minutes later the light came on, M (dah dah) A (di dah) S S. Left out a space.

Ain't CW fun??

72,

Bill, K5ZTY

ARCI #8817 NORCAL #1321 CQC #178 MI #1472 NE #440 QRP-L #473
WITHOUT CW, IT'S JUST CB

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [2431] W3EAX/qrp fall QSO party
Message-ID: <Pine.3.89.9610210739.C691-0100000@w3eax.umd.edu>

I felt it to be kinda inappropriate to use my callsign from the hallowed shack of the U of M ARA, instead opting to use the famous W3EAX callsign.

I only wish I had operated for more than four hours!!! In that time period, I worked 69 Q's and I'd guess about 35 multiplier-states.

Equipment used:

Icom IC-736 cranked down to 3 watts
HyGain TH6DXX 6 element tribander @ 110'
Maldol HS-VK5JR trap vertical - 10/15/20/40/80m - @ 60'

While signals on 40 and 80 were fair, the noise level at the shack on both of these bands was VERY high (S9) and it was tough copy all around. 20 meters was an absolute blast - AE0Q and I tried 15m after our 20m QSO, but it really was dead. Talk about MUF!

Anyway, in that 4-hour period, I went from my usual self to being able to copy about 90% of W1AW's 30 wpm code practice. Imagine listening to 40

wpm for 8 hours a day for an entire week - would one become proficient?

Anyway, it was a very good tune-up for sweepstakes, which occurs the 1st and 3rd weekends in November. I will be operating from W3EAX again assisting with the college club competition - although we probably will be running 100 watts this time as we have a bunch of "never contested before" people who will be participating - don't want them to get frustrated...

Lessons learned? We should put up an 80m wire beam pointed west and a full-wave loop; maybe an 80m dipole fed by 450-ohm ladder line would be good, too; if we have room, how about 160???

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: KB5YVT@aol.com
Subject: [2438] W5NN ARCI Score/Soapbox (long)
Message-ID: <961021104507_215437118@emout14.mail.aol.com>

1996 QRP ARCI CONTEST

Call used: W5NN

Location: TX

Category: Single Op All Band

Mode: CW

Power: 5W

Callsign of Operator: KB5YVT

Exchanged Information: W5NN RST TX 8580

Hours of Operation: 17:40

band	QSOs	points	mults
ffffffffffffffffffffffffffffffff			
160	1	14	1
80	32	868	16
40	75	2163	33
20	164	4578	50
15	19	616	14
10	6	189	5
ffffffffffffffffffffffffffffffff			
TOTAL	297	8428	119

SCORE: 1,002,932

Club or Team Name: Texas Yahoos'

Name: Mike Hance

Call: KB5YVT

POB 457

Bedias, TX 77831

Station Set Up:

FT1000MP HW-8

NA Software With Homebrew 2 Radio Switching

Antennas:

KT34XA/KT34A at 96'/61' Phased KT34A Fixed NE
40m Inverted Vee Wire Beam Fixed NE
40m Delta Loop Apex at 65'
3 1/2 Wave 80M Sloper Array NE/NW/S
Inverted L 1/4 Wave 160 w/2 Elevated Radials

Receive Antennas:

800 FT Beverage North
80/160 EWE West

This is a great contest to practice your skills! I used two radios to get ready for sweepstakes. Looking for mults all the time on a second rig really paid off! I concentrated on moving mults to other bands and not on running stations all day on 20m. What a great bunch of ops!

Bummers:

Digi Crap is really moving in on the QRP freqs!
Overall Poor condx. 15m never really opened here.

Cool Stuff on Sunday!

1234Z AC5IB Calls me on 160 for my first 160 QRP Q!

1446Z Ask KE4YH to move from 15m to 10m and he is
abt S-3 on 10m! Hey this is going to be fun!

1452Z CQing on dead 15m and G3HEJ calls at S-3! Wow!
Just as I finish QSO he just fades away!

1635Z W00Q calls me on second radio on 15m and thinks
its great to here someone on 15. He moves to 10m to try
it there but no cpi. Then as I'm abt to go back to 15 I here
? ? Its KC4IIS! I work him on 10m then move him to 15m
to make a 5 band sweep with him! He's a great op!

1700z Have to break for the Cowboys Winning effort! Probably
missed a few good mults on 15m.

1840Z Tuning 10m on second radio and there is KP3S LOUD!
Work him and post to packet but he fades out in just a few
minutes.

2014Z YS1ZRB calls in on 15m and we make the move to 10m
and there he is! A little later HP1AC tries a triple with me!
20m to 15m to 10m but no cpi on 10m.

You can see the benefit of at least giving these dead bands a try.
And with using 2 radios, you can tune the dead bands all the time
looking for brief openings and cashing in on them!

This is the best I've done in an ARCI, and my station has changed
some in the last 6 months. Having good antennas and low noise
on the low bands really helped. It is much more quiet out here in the
country than in Houston!

Oh, and W8MVN must have MW and KW mixed up! He was blanking
my HW-8 everytime I went to 40m to check it out! ;-)

Congrats to the other Yahoos'! They put in great efforts with less
antennas! K5ZTY always amazes me with his score with power lines
buzzing 50ft from his shack!

73 C ya next year! Mike KB5YVT aka. W5NN Soon to be K5NZ (I hope)

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [2468] Weekend Swap Activities
Message-ID: <Pine.OSF.3.91.961021154545.6107B-1000000@saturn.acs.oakland.edu>

Another Sunday, another swap...

This time it was the USECA radio club sponsoring their annual event in
Warren, Michigan. You probably remember USECAs world record QRP battery
score from this past field day.

Well I got to the swap late, around 7am. it was pitch-black out and none
of the lights were on in the parking lot. To someone like me with
night-blindness, this was unacceptable. Nobody seemed to have a clue how
to turn on the lights, I asked the nice fellow who "caretakes" the
building and he let me peak into the power room where I found a HUGE
breaker box marked "PARKING LOT" with a little digital timer on it.
Flipping the timer from "OFF" to "ON" was all it took to hear the
satisfying sound of a big relay clacking on and the soft hum of a

transformer.

Now that the lights were on on, I roamed around to see if I could help with anything else. Nobody except vendors and club members were supposed to be in the building until 8am.

I helped set up the computers for a VE test session. I'd not been a VE for quite a while and having sat through the GMAT on Saturday, it was nice to be on the other side of test administration!

Some great deals were out in the flea market. I was a couple seconds too late to pick up a nice TenTec Triton IV with P.S. for just \$200. I do hold the world record for the shortest time to own an HW-8, about 15 minutes. There was a manual-less, unknown workability, but very clean and unmodified HW-8 for sale, I snapped it up but placed it down on WB8E's table and a guy offered me a nice profit to sell it to him. I could not refuse.

Picked up some supplies to make a few new antennae. I bought 500 feet of "super twist" 14ga wire, some RG8x, dogbone insulators, ladder line, all that good stuff. I hope to experiment with a loop antenna, as soon as I can get Detroit Edison to find the line noise problem I've had recently.

MI-QRP club members took some time off from the ARCI contest and had a bunch of QRP rigs on display, including the cover-winner from this quarter's QRP Quarterly ;-)

Well that's it for this installment, late-night expected here with another city council meeting. BCNU!

73 =paul= wb8zjl <--- Watch this space

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: blair thompson <blairt@planeteer.com>
Subject: [2416] Where to begin?
Message-ID: <326B1CDC.2AE2@planeteer.com>

I have an acquaintance who is interested in studying for his ticket, but he is an arts major with no techie background or knowledge. Can anyone on this list recommend a REALLY basic, but graphically clear book (or software) which would explain the principles of electronics we all know and love? Might there be something interactive and downloadable available in cyberspace, although a book...even one written for young

people would be OK. Thanks in advance.

Also, to legitimize my use of this List, one of the posters here (I've lost his eye-dee!) described the Micronaut line of kits as being "now rare". I bought a kit about 5-6 months ago but have not (tried) putting it together yet. Has the company folded its tent and crept away into the night??

Regards

Blair VE7HHH.

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>

Subject: [2424] Where to post source code?

Message-ID: <326b547a.pandora@pandora.lugs.org.sg>

Hi Gang,

I am thinking of making public the C source code for the logging program I wrote. Can anyone tell me the best way of doing this? Thanks.

73 de 9V1ZV Daniel

p.s. This is so that people can "homebrew" their own logging software as well.

--

```
*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg          |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: David Adams <dave@flowserver.stem.com>

Subject: [2471] Which ferrite type for 2-30mhz

Message-ID: <9610212030.AA18382@flowserver.stem.com>

Greetings! I am building a small antenna tuner to go along with my slv and am having a problem choosing the toroid. I'm going to use a T-106, but am not sure about type 2 or type 6. If you check the technical references, you will see type 2 as being listed for .25-10mhz and type 6 for 2-30mhz. However, if you dig into the pool of general knowledge/use, the feeling seems to be in a high-Q sit type 2 for 2-30 and type 6 for 10 meg and above. I naturally gravitate towards the general knowledge pool, but as ferrites are

not an area of expertise (I might site a heftily mocked post about bifilar toroids), thought I might prod the group for some additional info.

73 de Dave, n9uxu

PS - Unrelated, but I would like to thank Doug, Jim and all the speakers (even that texas guy) for a great Pacificon experience. ---

=====

David J Adams	N9UXU QRP-L #83
dave@flowserver.stem.com	NorCal QRP #1442
(415) 813-5028	Flow Cytometry Specialist

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [2487] wire:shipping has begun
Message-ID: <Pine.GS0.3.93.961021190901.21698K-1000000@lictor.acsu.buffalo.edu>

The wire has been shipped starting on Friday. If I have received your letter; it has been shipped . Those expecting shipments have been notified by email.

The 5k shipping deal has been curtailed due to excessive costs and lack of reasonable shipping containers. New orders will have to reflect costs of shipping containers and all shipping costs. Shipping is based on zip code and not by callsign :-) As some hams have relocated to more distant (read that more expensive) qth's. It takes me a while to catch on :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [2456] WTD: Hustler 5BTV manual
Message-ID: <Pine.3.89.9610211433.A818-01000000@imc220>

Header says most of it:) I'm looking for the measurements for the assembly and tuning of a 5BTV, full manual/instructions would be FB. With a some advance notice I can set up the fax machine on my 800# or would be willing to send "green stamps" for copying and postage.

FWIW, this is my "invisible" antenna to get past the CCR's, hihi :>

72 es tnx,

-- Chris Cartwright N3XRV Gaithersburg, MD | dsc3cjc@imc220.med.navy.mil --
-- EMPS QSOs=0 STATES(w/c)=0/0 DX=0 FOX=0 | QRP-L #655 QRP-ARCI #9271 --

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: David.Reid@asml.nl (David Reid)
Subject: [2423] Re: Anyone interested in a homebrew ATU?
Message-ID: <199610210938.LAA11453@wspub002.asml.nl>

"W. Daniel, 9V1ZV" wrote:

>I was just wondering if there is any interest in a homebrew Automatic
>Antenna Tuning Unit?

Yep - I'm interested - played with a few ideas - both analogue and digital and the digital one was more precise...

I used the head-stepper motors from old Hard Disc drives to drive the caps in a simple PI circuit.

The advantage of the digital control is the ability to retain the settings for a particular antenna -

The biggest problem was isolating the RF from the digital noise.

These Hard disc drive stepper motors are really good - the step both ways and are very high precision - and plentiful (and cheap)

However - the main prob with a QRP one is to obtain high-enough power to drive the circuitry -(without adding loads of amplifiers...)

Haven't solved that one yet - but my QRO version works well.

My analogue one worked via a comparator LM311 (IMMSMR) which compared the signal of the reflected power against a preset level and using feedback produced a voltage which moved the motor driver in the correct direction.

It did have a bit of a problem with hysteresis - and also on high SWR's it would track the motor to the end where it hit a physical switch which then inverted the driving signal to take the motor back across its travel. With a High SWR it would just track from end to end... no good...

I want to try one with a noise bridge as the exciter - that could be interesting

So - there you go.

Dave
PA/G0BZF GQRP 3677

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2436] Re: blew the critter up
Message-ID: <199610211333.NAA00859@chuck.dallas.sgi.com>

Duane,

You are not the first and you are not the last to fry the final fritter (TX talk for final power amplifier, PA).

1. If you have a MFJ 249 or similar device for the purpose of measuring antenna SWR or characteristics, then take the antenna system and tuner and find the best settings of the tuner for the bands that you want to operate. Then take a 3x5 note card and write down a table of the settings and TAPE this to the top of the tuner. I have to do this so the puppy (the 3x5 card) won't run away and get lost in the shuffle.
2. If you don't have an analyzer, then what I do is use the receiver to first get as close as possible to resonance of the antenna system and tuner (technically you can't change the resonant frequency of an antenna unless you physically change something). Let's see if I can explain this in 100 words or less.

I do this with earphones to reduce background noise. Listen carefully to the background noise of the receiver, i.e. do not tune in a station but get as far away for the strong stations. If you have an option, turn off the AGC on the rig. Now tune the antenna tuner for maximum background noise. With a little practice you can get the settings almost 'on the nose' or minimum SWR as seen by the

transmitter.

3. Option number 3 is to get a noise bridge and use it.

Options 1 and 3 are about \$150 and \$100 solutions respectively. I'd chose option #1 because I can use the MFJ 249 to calibrate and tune receivers and their dials. Use it for a signal generator to peak receivers and set transmitter offsets. I've had one for a long time now and wouldn't part with it.

Good luck on getting it fixed. My guess is that the driver transistor will still be OK. The final PA transistor is history.

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
: EMPS QS0s=2 STATES(w/c)=2/0 DX=0
: MO TN

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Subject: [2410] Re: Chuck's announcement
Message-ID: <199610210432.AAA12260@jfwhome.funhouse.com>

I'm sorry. I just can't resist.

> Each trophy is 5x7" thick glass with the NorCal logo
> etched on the back with their names and calls in large print.

You know, I could really use some of that thick glass to replace the ordinary glass in my computer screen. Maybe it would cut down on the number of coding mistakes I make...

:-) and 73,
John, WB7EEL

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Robert L. Morgenstern" <robertlm@erols.com>
Subject: [2503] Re: Cutting coax braid
Message-ID: <326C3C7D.5586@erols.com>

Mary Barnes wrote:

>
> After a summer and early fall of house building and moving I am finally
> getting back to building more interesting things and have started the St

> Louis tuner. I immediately ran into a familiar problem, that of cutting
> coax braid in a neat manner without nicking the underlying foam insulation.
> My usual technique is to unbraid it to the point where it is to be cut, use
> my diagonal cutters to snip it off and then try to smooth things back in a
> reasonably neat way, but this is decidedly unsanitary. I've tried cutting
> it with an X-acto knife but the braid merely separates rather than the
> wires being cut, even if I wrap it with masking tape first.
>
> There must be a better way and everyone but me probably knows it. I thought
> of using one of the thin abrasive discs on a Dremel tool, but mine is at my
> house on another island and I won't see it for awhile. Any words of wisdom
> would be most appreciated.
>
> Cheers es 72/73
>
> Bill (using his spouse's Internet account)Hi Bill;

I have the same problem regarding cutting of coax. What I found that
works most of the time is this; using a small cuticle scissors, puncture
the braid at the level you want to cut and taking little " bites " with
the cuticle scissor proceed to cut your way around the braid.
72's Bob WA2EAW QRP-L # 646

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Larry Boulet <labco@mail.mich.com>
Subject: Re: Decal paper for Laser Printing

Dear Mr. Rich Bachmann,
LABCO paper is thremally stable and does work fine in laser printers. I
have been using it for years in an Apple laserwriter and it makes
excellent true decals. Please check my web page at
<http://www.mich.com/~labco>
In case you cannot view the web page, here is the price list -

Here are prices for water slide decal paper that will
work in many computer printers, color or standard copy machines,
laser printers and thermal wax printers.:

QUANTITY PRICES no credit cards please. US postage paid.

QTY.(sheets)	Price
3	\$10.00 U.S. funds
10	\$30.00
50	\$125.00
100	\$200.00

Larger bulk quanties available on request.

Foreign orders add 10% to cover increased postage costs.

Thank you.

LABCO Dept NET, 27563 Dover, Warren, MI 48093-4764

Thanks for the inquiry.

Larry Boulet, LABCO

KF8MN

<---- End Forwarded Message ---->

Disclaimer: I have no connection with Labco and I have no first-hand experience with their products.

73, Rich, N3SLR

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: kd7s@psnw.com (Bill Jones)

Subject: [2407] Re: F/S Meter and RF sniffer

Message-ID: <199610210412.VAA04626@sierra.psnw.com>

Tony,

I would suggest going to your local library and looking up sample circuits using an LM3914 bar graph integrated circuit. This device can be configured as a 0-1.2 volt (or any range you wish) voltmeter specifically designed to drive ten LEDs. Besides the chip itself and the LEDs, it only requires a capacitor and a couple resistors to make it go. I have used these chips many times in the past and they make very reliable, accurate and inexpensive volt meters.

>Does anybody have the design for a simple field strength meter / RF
>sniffer using say 10 discrete leds as an indicator suitable for qrp.

=====

Bill Jones - KD7S <><

Sanger, California

Reply to kd7s@psnw.com

=====

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>

Subject: [2480] Re:F/S Meter and RF sniffer

Message-ID: <M1109581.004.n9w03.1.961021211912Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/

PRMD=MOT/ADMD=MOT/C=US/@MHS>

Tony:

As a simplification, you could use a large LED or a small dial light bulb as your indicator. Depending on your circuit, you could either tune for a maximum brightness or a minimum. With a sensitivity control, you could scale back when the brightness gets to high to see small differences. The changes are more visible at the low end rather than the high end of the brightness range.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: ka7you@juno.com

Subject: [2484] Re: F/S Meter and RF sniffer

Message-ID: <19961021.124500.5375.0.KA7YOU@juno.com>

Tony,

I just read the response about the 3914 IC for a voltage indicator.

The 3915 (I think) is also very similar, but gives a logarithmic display (often used for VU Meters). This might be suitable also.

Rod KA7YOU

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: tony@wilkes.ak.planet.co.nz (Tony Wilkes)

Subject: [2492] Re: HB: OHR 100 20M

Message-ID: <681@wilkes.ak.planet.co.nz>

Thanks Chuck

>

>For the antenna, try this. 30m on the "hot" side and 10m on the
>"counterpoise" side of 300 ohm ladder line. I call it a modified
>Window. It is what I use. With an MFJ 941C tuner I can tune
>80m through 20m without a hitch. I hook the "hot" side to random
>wire connection and the "counterpoise" side to the ground side of
>the tuner.

How long is the 300 ohm line ?? or can it be any length - should it be as short as possible ??

>

>Mine is up only 4m to 5m in trees. Works great for me at 0.95W.

^^^^^^^^

That looks achievable - no sling shots or bow and arrows needed here. :-))

>
>If you try this, let me know. I use #14 house wire and I left the
>insulation on it.
>
>dit dit es gl
>: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
>: EMPS QS0s=2 STATES(w/c)=2/0 DX=0
>: MO TN
>

Tony Wilkes --- Whangaparaoa, on the North Island, New Zealand
Royal Forest & Bird Croquet
ZL3SLH & G3SLH > QRP-L #717 QRA >RF73JF

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [2496] RE: HB: rig boxes
Message-ID: <19961021.171816.7295.2.KD1JV@juno.com>

With all the talk about boxes to build rigs in, here's an idea I've had
for a while.

I bought an old pine jewelry box (about 8" W x 6" D x 5" H) at an auction
a while back (wanted the old silver plated safety razor in the box, still
had new blades in a little silver box). Some day I'm going to build a rig
into the box. Open the lid and the front panel will hinge up. Maybe put
the display and spkr in the lid. I'll call it my "spy" radio.

de KD1JV Steve

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Greg Newberry <newberry@cyberhighway.net>
Subject: [2427] Re: Homebrew ATU?
Message-ID: <326B7EBB.13B7@cyberhighway.net>

W. Daniel, 9V1ZV wrote:

>
> Hi Gang,
>
> I was just wondering if there is any interest in a homebrew Automatic

> Antenna Tuning Unit?

>

> The general idea is to have an typical QRP antenna tuner coupled to one
> or two motors for the tuning, and a QRP SWR meter that is read by a small
> microprocessor. The microprocessor will then automatically tune for the
> lowest SWR, either continuously or per band setting.

>

> Alternatively, this might be done with some kind of Op-Amp arrangement
> though this is not very clear in my head. Some sort of automatic nulling
> circuit can probably be built without use of digital control I suppose.

>

> So, is there any interest in this kind of circuit? Do let me know.

>

I'm very interested. This is my winter project of choice. I've been
looking for info on it and was getting ready to post a question here.
What ideas do you have?

Greg

--

Greg Newberry - WB7DUO QRP-L #760
newberry@cyberhighway.net
newberrg{dhwtowers/regional/newberrg}@dhw.state.id.us

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [2489] Re: Icom 735 Question
Message-ID: <199610212351.SAA27671@multi2.pic.net>

Bill --

I hope I am answering the right question. Like most modern transceivers,
the 735 has a built-in transmit offset so that when you tune a received
signal to have a 700-800 Hz tone, the transmitter will transmit on the same
frequency as the other guy. The frequency display is offset on receive so
that it shows the frequency of the received signal when you are tuned
up-700 Hz. There are several internal adjustments (I don't remember the
details offhand - my service manual is at home) which control the sidetone
frequency, the transmit (actually receive) offset, and the filter center
(BFO adjustment). If these are all set correctly, when you receive
someone with a tone that matches the transmit keying sidetone, you will be
zero beat with the guy when you transmit, and he will be in the center of
your filter passband. Unfortunately, the 735's sidetone is not a pure sine
wave, so, for us non-musicians, matching the signal to the fundamental of
the sidetone is sometimes tricky.

I'm not sure if this is what you were asking about the IC735, but if not,

ask more questions and I will try to answer them.

For others on the list who may not understand the importance of Bill's question:

90% of the time, you want to talk to another ham on the same frequency that he is on. This is called zero beat because the "beat frequency" or difference frequency is zero. When he calls CQ, and you want to answer, you want to match his frequency with your transmitter because that is where he is most likely to be listening. Now, to hear a CW signal, we need to tune the receiver slightly off his frequency to get an audible tone out of it. If we transmitted on the same frequency that we set the receiver to, our transmitter would be offset from the ham we were receiving. Therefore, most modern transceivers automatically switch the transmit frequency a few hundred Hz (usually 500 to 1000) every time we change from receive to transmit. Being very simple, the 40-9er does not, so you have to rely on the other guy to tune around to find you or you have to get used to the idea of copying signals near zero Hz. The Sierra is more complete and has a built in transmit offset. The Sierra has another nice feature in that it separates the VFO into separate receive and transmit paths, so, by feeding a little of your transmitter into the receiver, you can actually receive your own signal.

The other 10% of the time, you may want to transmit or receive at a slightly different frequency. That's when RIT, TOT, or split operation is useful.

The split operation is probably more useful than the rit. Although this may just be personal preference, RIT is less useful than most people think.

RIT is a hindrance when you want to zero beat. For example, you have RIT on, and you are tuning across the band when you hear a CQ from South Dakota, the last state you need for WAS. You want to reply on his frequency, so you set the dial so his tone matches your keyer sidetone. Oops, with RIT on, that's not the same frequency. You are actually receiving him at a frequency different than what the tuning dial readout says. The dial indicates your TRANSMIT frequency. The RIT knob isn't even calibrated so that you know how far off to move. You switch the RIT off and tune around a couple kHz to try to find him again, or you walk the RIT back to 0 by changing it and the tuning and you finally find him, after he has replied to someone else, just as the QSB makes him disappear.

RIT is good when you are in the middle of a QSO and a QRO signal suddenly pops up in your filter passband. You can move the signals around so that he drops down the filter skirt, without also moving your transmitter.

RIT is good when you've called CQ and need to listen for replies up and down from where you transmitted without changing your transmit frequency.

RIT is somewhat useful when you are scoping out a pileup, trying to learn who's calling, where they're from , and how the DX op is listening. You will soon switch to split operation, though.

What the world needs is transmitter offset tuning.

The closest thing we have is split frequency operation. Say you're trying to catch a fox. You have him all lined up in your receiver sights, zero beat (that is, tones matched) and all. He calls CQ and signs and all you hear is a hundred hounds calling him making S9+60 QRM. How does he hear anybody in that mess? He might hear you if you are significantly louder because you have favorable propagation. He might hear you if your timing is just right.

He might hear you if you are a little off frequency from everyone else. So you select your transceiver's split operation and turn off the RIT. You keep VFO A centered on the fox and never move it. VFO B you use to tune around to see who is calling and where. You may find that the fox is always answering the guy who is 200 Hz high. If so, you match tones with him on VFO B. Then when he finishes, you transmit to the fox exactly where the last guy he worked was. You are still receiving the fox where he is transmitting. Split operation allows you to tune around the fox without losing him, and allows you to move your transmitter around him to get the best angle of surprise. An added advantage is that the tuning dial readout shows you exactly where he is, where the other guy is, and where you are transmitting.

Sure beats 2 meter FM for learning opportunities!

Mike K1MG

> From: Bill Myers <bmyers@destin.nfds.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Icom 735 Question
> Date: Monday, October 21, 1996 3:17 PM
>
> I have a question of the Icom 735 users.
>
> I know there is an offset of 700-800 hz between transmit and receive on
cw.
>
> The question is, do I set the rit to the negative side to get both on the
> same freq (like I need to net)???
>

> Thanks in advance...
>
> --
> Bill Myers KK4KF FISTS #2390 QRP-L #755 ARRL
> Snail Mail P. O. Box 178
> Shalimar, FL 32579-0178
> Grid EM60rk
> e-mail <bmyers@destin.nfds.net>
> homepage <http://destin.nfds.net/~bmyers/>
> CHECK OUT THE FISTS INTERNATIONAL CW CLUB HOMEPAGE
> <http://n9nvv.qrp.com/~fists>
> ^^^^^ That's N 9 N V V
>

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [2455] Re: LM380 modification
Message-ID: <199610211734.LAA19658@zia.aoc.nrao.edu>

The audio boost mod to the LM380 is described in the National Application Notes. It is a simple positive feedback circuit, but must be DC isolated from the output pin. Thus, the 1M ohm feedback resistor goes from the "speaker side" of the output audio capacitor to the +IN input (pin 2). A 15K resistor also goes from +IN pin 2 to ground to fix the input impedance and gain ratio. A small value cap, say 33-200pF, can be added across the 15K if it oscillates or hisses. That's about it.

The LM380 provides a fixed gain of 50 (34dB). This mod will increase the gain to about 150 (43dB) to 200 (46dB), or about 9-12 dB. On the couple I have done, the gain increase was about 10dB. To the ear, this should be a noticeable increase.

It does not introduce any significant distortion that I recall. Ensure you have a healthy bypass capacitor on the Vcc input pin (22-100uF); this will help the LM380 from saturating the output on small input signals. With the increased gain, near full volume, you may start overdriving the output into saturation and thus distortion, but this is from overdriving it, not from the LM380 being altered by the mod. From the tests I did, it seems the output saturated (peaks being clipped) with around a 30mV p-p input. The output of the NE602 product detector on a S-6 signal or so is typically 10mV, so you should not experience distortion except on very loud signals. And even there, just turn down the volume.

Let us know how the mod works on yours.

72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [2478] Re: LM380 modification
Message-ID: <326BEB57.4FA0@rakefet.com>

Paul Harden wrote:

>
> The audio boost mod to the LM380 is described in the National
> Application Notes.

<snip>

>
> Let us know how the mod works on yours.
>

I 'll try it tonight or tomorrow. Thanks!

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Ron Smith <resmith@primenet.com>
Subject: [2470] RE: MANUALS
Message-ID: <01BBBF5A.92C0EEA0@ip175.boi.primenet.com>

Ken, do you know if this is available via WWW or ftp?

Thanks...

Ron Smith
Boise, ID
e-mail: resmith@primenet.com
WWW: <http://www.primenet.com/~resmith/>

From: CHARLES K BROWN[SMTP:n4so@juno.com]
Sent: Monday, October 14, 1996 11:19 PM
Subject: MANUALS

The text file called MANUALS (just manuals) is found on the ARRL
computer
BBS 1 -860-594-0306.

The 23,000 bytes file covers military, commercial, and consumer equipment and lists the address and phone number of almost all sources of manuals and diagrams for old and new equipment.

Yes, I have a copy here on the home computer.

Ken Brown
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [2472] Re: Pacificon: 40-9er: YL hams: etc.
Message-ID: <199610212036.0AA26230@zia.aoc.nrao.edu>

Michael,
No need to apologize for having to bring your daughter along at all.
We all rather enjoyed her. She was a delightful YL. And even a
5 year old deserves to have her ego stroked once in awhile also.
She was a great sport, fun to talk to you, and added yet another
chunk of unique character only QRPers can come up with.

Save that paper radio. I still have a QSL card my son drew for me
when he was 4-5 years old. Still hangs on my shack wall. Brings
a smile to my face every time I look at it. Those are the things
you treasure a life time.

And frankly, I'd settle for M&M's anyday over Altoids -hi.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2479] Re: Pacificon: 40-9er: YL hams: etc.
Message-ID: <199610212139.VAA00772@chuck.dallas.sgi.com>

Michael,

I can not take full credit for Jessica's prize. Doug Hendricks went off to the hotel shop to get them when we saw the entry. :-)

She was very welcome to enter the contest and you'll have to tell here to start working on next year's entry.

The kids of today are the leaders of tomorrow. We all remember those little things for all of our lives. Everyone needs to remember the joy and pass it on. I like to believe that all QRPers are that way.

I'm partial to chocolate myself.

dit dit

: Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

: EMPS QSOs=2 STATES(w/c)=2/0 DX=0

: MO TN

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [2444] Re: phone leaks

Message-ID: <199610211556.KAA11877@multi2.pic.net>

I have worked on the design and production of remote utility meter reading equipment for one of my clients. These new meters are most likely not power line carrier communication. One barrier to using PLC to communicate meter readings is the patent that Westinghouse, (I think), has on it; this is tougher than the technical ones. Most remote meter reading is via RF. Most are either 950 MHz licensed band or 915 MHz ISM band (shared with hams) or a combination. Power levels are QRPP, often under a milliwatt.

Mike K1MG

> From: JCoote@aol.com

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Subject: Re: phone leaks

> Date: Friday, October 18, 1996 8:14 PM

>

> In a message dated 96-10-17 22:09:49 EDT, launerb@crl.com (William H. Launer)

> writes:

>

> << Union Electric has installed new meters here in St. Charles, MO that

are
> remotely interrogated, so no meter reader has to go out and read them.
I'm
> not sure how it's accomplished, but it seems to work - we haven't gotten
> any "estimated" bills since they installed ours!
> >>
> Might be interesting to AC block a receiver or spectrum analyzer then
couple
> to the lines and see what's on the air.
>
> (Disclaimer- this is said in the interest of keeping a 'clean' radio
site,
> free of interference)

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [2448] Re: Plastic cases
Message-ID: <199610211619.LAA14417@multi2.pic.net>

N2ELW writes:

>
> Hi guys!
>
> A question.....I have a keyer that I put in a plastic case. The "screw
> hole" in the top part of the case is worn. What I mean is that when I
> put in one of the screws that holds the two halves of the case together,
> it just twirls and twirls and twirls. Any suggestions on how to make it
> secure again.....other than buying a new case?
>
> de Larry N2ELW

Some suggestions:

1. Use the next larger size screw.
2. Fill the hole completely with epoxy. After it hardens (give it two days), drill and tap a new hole.
3. If the screw was self tapping, fill the hole with a ski repair stick. I forget what they are called. They are a form of plastic candle that you light, and melted stuff drips off onto your skis to fill in the gouges. Use this to fill the hole. Insert a toothpick before it hardens completely. The screw will cut new threads.

4. Jam a piece of toothpick into the hole and screw the case together. To make it a little more rugged, drip a little white glue in too. You will still be able to remove the screw with the white glue.
5. Glue the whole thing together and hope it never needs repair or battery replacement.
6. Put a wide rubber band around the whole thing. Dress it up by writing your call on the band with permanent marker.
7. Cut off the screw boss and replace it with a piece of acrylic rod, glued in place with solvent. Drill and tap if necessary.
8. Buy a small brass hinge or two from a hobby store. Epoxy this to the top and bottom shells on the side with the bad screw hole. You now have a hinged clamshell case with only one screw needed to hold it together. Make sure the top closes OK over the front and rear panels though.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [2477] Re: Printing .gif files ?
Message-ID: <Pine.OSF.3.95.961021151558.10511A-1000000@duke.usask.ca>

There is a program called Graphic Workstation which runs under MS-DOS which will read .gif files.

Brian.

On Mon, 21 Oct 1996, Stanley Wilson wrote:

> anyone know how to print a .gif file. I have a MS-DOS system.
> thanks
>
>
>

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |

```
| VE5RDV |
+-----+
| The grand leap of the whale up the Fall of Niagara is esteemed, by all |
| who have seen it, as one of the finest spectacles in nature. |
| -- Benjamin Franklin. |
+-----+
```

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [2475] Re:QRP Ant Tuner
Message-ID: <M1109515.003.n87w2.1.961021204307Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Steve:

A small item that may let you work around the xyl.

Some hams have been successful in getting feedlines into the attic by putting the ceiling hole in a dark corner of a closet in that room. If you ever have to patch the hole when you sell the house, the patch is least visible that way. And, of course, if the xyl doesn't see the hole out in plain site, she will be less likely to complain. Perhaps even pretend it isn't there, hi.

Good luck and 72, Bob N6WG

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Dean Marzocca" <n2tnn@ifu.net>
Subject: [2462] Re: QRP pal logger
Message-ID: <199610211853.0AA28731@mail.ifu.net>

Bruce,

I don't know what format it is in. The qrppl saves it to a data.dat file. The print command won't operate the printer so I thought I would open it with Lotu word pro. The lotus app identifies the file as a word perfect file but then won't translate it. I tried to save it as a text file but no characters come up on the screen. I think it shows as a 75 k file but no characters.

I was hoping that someone else had the same problem and knew what the catch was. I will keep trying.

72/73, Dean, NJ, N2TNN, QRP-L # 560
EMPS Q=4 S=3 DX=1

> About your log problem, in what format did you save the data in Word
> Perfect? As a table or as a document? Can you get it on the screen in
Word
> Perfect? If you can, resave it to a new file name as an ASCII text file.
> You should be able to do darn near anything with that. Let me know if I
cna
> help more.
>
> 73,
> Bruce -- W6TOY/3
> --
> Bruce -- W6TOY/3
> QRP, Really! (c)
>

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [2481] Re:Reduced Digest Size
Message-ID: <M1109580.003.n9w02.1.961021211912Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Bob N9ZZ de N6WG:

I also subscribe to Ham-Ant@UCSD.Edu. The digest mode there compacts perhaps a dozen messages at a time into one, and sends it out. I get several digests a day this way, but they are all smaller than QRP-L. On the other hand, I kind of like getting one digest, then poking through it at my leisure.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [2460] Re: Sweepstakes CW November 1996
Message-ID: <1.5.4.32.19961021173140.00924f0c@freebird>

Great tips from Chuck on the November Sweepstakes -- my second favorite ham activity (first best is the V/UHF contests.) A few comments though:

>4. If you feel that you don't have a chance, don't dispair. Try it anyway.
> Everyone you talk to won't remember you anyway unless you take more than
> 1 min of their time. More on this later.

Very true. This is as close as contests get to friendly on HF. Everyone is

happy you're there. Everyone has a good time (after the first few heart-stopping QSOs.)

>
> CT is shareware and if someone finds it on the internet, post the
> ftp site. I'm running I think 6.26 version which is an old one.
> I need to fork up the \$40 and get the latest again.

I don't believe this is true. CT is expensive-ware and not all that necessary for Sweepstakes. If you know how to run a dupe sheet, a pencil is a lot faster on Sweepstakes than CT is. I don't think the top 10 started using computer logging for SS until recently.

>
>6. Secret beginners hint: [...]
> So you tune the dial across the band and find someone that you can copy
> or almost can copy. If you are having difficulty listen to their
> exchange as many times as possible to get it all and then you're ready.
> Push the function button that sends your call and send it one time.
> That's all everyone else is doing. If you are lucky you'll hear your
> call come back and you be ready to type in their exchange. Heck, you've
> got it memorized. Their QSO number will go up by one and the rest
> will be the same. In most cases they will lie to you and give you a
> 599 report, but hey if they don't just copy it and enter it. Don't panic.

Excellent advice 00 I don't know many people who don't already have most of the exchange written down before they send their call. On the other hand, there's a chance that the other station may ask for a fill. My first SS exchange ever I had the keyer preprogrammed to dump my end of the exchange, girded my loins, sent my call, copied his exchange and pushed the button.... it was followed up by a whole bunch of beeps and boops that I couldn't read because of my rising panic 'cause it sure wasn't the jolly QRZ he used to wave goodbye to everyone else. Finally, I caught on he was sending SEC? SEC? and I managed to beep out EMA *all by myself*!!! Wow! I needed a nitroglycerin pill after that. But eventually I got back into it and had a good time. Moral: memorize the sound of all the fills they might ask for: CALL? SEC? CHK? (sometimes NR?) (nobody needs a fill on the signal report -- it's 599 even if you have to ask for the rest to be filled five times.)

>[...] In summary [...]
>4. Have fun.

The best of all advice. If it stops being fun, go have a soda and come back later. If you get angry about someone's behavior, spin the dial. If despite your best efforts you only get 10 CW QSO's in the log -- plan to get 20 next time (and also work the phone weekend.)

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Seabury Lyon, AA1MY" <SSLYON@postoffice.worldnet.att.net>
Subject: [2434] Re: Trap-Dipoles. Efficiency?
Message-ID: <19961021132613.AAC13882@LOCALNAME>

At 08:08 AM 10/21/96 +0000, you wrote:

>Hi Gang,

>

> I have a question (don't I always have one, or more :-)). I am reading
>QRP Classics (ARRL) and on page 180 that:-

>

> "A trap style of antenna is not as efficient as a full-size dipole.
> But the losses in a well designed system are usually so low that they
> are hard to measure by simple means."

>*****

If you have opportunities to put up a non-trap ant., by all means do it!
Traps are good expedients in limited space, BUT add problems, vulnerabilities.

=s=

Seabury "Seab" Lyon AA1MY

44 Codfish Hill Road

Bethel, CT, 06801, USA

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [2426] Re: Tuner: With or without?
Message-ID: <Pine.SOL.3.94.961021082151.22328A-1000000@utkux4.utcc.utk.edu>

On Mon, 21 Oct 1996, W. Daniel, 9V1ZV wrote:

> I was wondering (yes, AGAIN!) about my Tuner. This is an MFJ-945D Mobile
> Tuner. Now, I am actually using this to reduce the SWR on my 20M dipole to
> 1:1. Obviously it would be better to cut my antenna down to the exact length
> for best efficiency. However, I would like to know, for a non-ideally tuned
> antenna, will it be worth the trouble to fix up the antenna length? If the
> improvement is negligible then I probably will leave things alone. If there
> is something to be gained, then this will become my next weekend project :-)
> So there... now back to more wondering. TIA.

Daniel,

The answer to your questions depends on how far off the antenna is. If you are experiencing an SWR of 10:1 with a very long coax run, then pruning the antenna is certainly in order. If you are experiencing an SWR of 2.5:1 with a reasonably short coax run, and if the antenna is not all that easy to get to, then the increase in efficiency may not be worth the

effort. If you are feeding the antenna with parallel feeder, then no action is called for.

However, consider the following two cases:

1. a 20-meter dipole, pruned for lowest SWR on the frequency of interest and fed with coax directly to the rig. The only losses are in the coax, given its basic loss factors and the multiplier for SWR, the latter being quite low in this case.

2. a 20-meter dipole, not well pruned for lowest SWR on the frequency of interest and fed with coax to an ATU and then to the rig. Here, the losses consist of a. the basic losses inherent in the coax, b. the loss due to the SWR multiplier, and c. the losses inherent in the passive network used to effect a match. Even assuming the network is tuned for maximum efficiency, there is a 2 to 5% loss in it (as there is in any passive network). Since the SWR loss multiplier is higher in this case, you will have to add that loss to the loss in the ATU to guesstimate the losses overall compared to case 1. above.

When to prune: when you believe the losses are too great to endure. A total loss of 10% is not likely to be noticed in practice. A loss of 25% is more likely to be noticed. However, different folks have different thresholds of loss endurance, so the decision is quite individual.

So I cannot suggest a course of action. But I hope this data helps you make your own decision.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)	(423)	974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm)	(423)	938-6335
Knoxville, Tennessee	/\	\	\	\	/	/		(FAX)	(423) 974-3509
37938-4443 USA	/	\	\	\					cebik@utk.edu
QRP/ARCI 2572	G-QRP	7203	CQC	125	NEQRP	347	NORCAL	1111	MIQRP 1432
NWQRP 401	ARRL Life:	Educational	Advisor		QCWA	13211		10-10	41159

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Seabury Lyon, AA1MY" <SSLYON@postoffice.worldnet.att.net>
Subject: [2432] Re: Tuner: With or without?

Message-ID: <19961021132613.AAB13882@LOCALNAME>

At 10:53 AM 10/21/96 +0000, you wrote:

>Hi Gang,

>

> I was wondering (yes, AGAIN!) about my Tuner. This is an MFJ-945D Mobile
>Tuner. Now, I am actually using this to reduce the SWR on my 20M dipole to
>1:1. Obviously it would be better to cut my antenna down to the exact length
>for best efficiency.

The tuner may provide improved rejection of unwanted signals, esp. B.C.I.
which could produce intermod and/or front end overload. Also, in the name
of eff., tuners can compensate better for effects of rain, ice, and a path
to ground for static charges. Of course, some tuners provide the advantages
of SWR/PWR indicators, ant. switching and dummy loads, too.

Even tho they slow down band/freq. changing a bit and have insertion loss,
I'd tend to keep a tuner in line. You can always by-pass it with the switch.

73 =s=

Seabury "Seab" Lyon AA1MY

44 Codfish Hill Road

Bethel, CT, 06801, USA

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996

From: "Dan Tayloe-P26412" <Dan_Tayloe-P26412@email.mot.com>

Subject: [2465] Re: VFO Design

Message-ID: <M27533121.005.n4or6.1.961021192704Z.CC-MAIL*/OU=SATCG/OU=AZBH/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

>I'm looking to convert my rockbound 30m xmitter to one with a vfo.

>Is there any books on designing vfo's? Can anyone recomend any

>sources that teach you how to do this technique?

>-Sterling W. Lombard (KB7JTZ)

> <http://www.primenet.com/~slombard>

The ARRL has many publications that talk about VFO design. One that
comes to mind is called something like "Solid State Design"(?).

In your particular case, the beast approach may be to is to
build a low frequency VFO, say 2.1 to 2.150 MHz and mix it to
10.1 MHz with an 8 MHz crystal. The use of a low frequency
VFO aids greatly in minimizing the frequency drift you will
experience.

For an example of such a concept, look at the Serria CW xcvr

schematic in the latest ARRL handbook. Osc goes into a NE602 which is both the osc for the 8 MHz XTAL and the mixer. Mixer output goes into a bandpass filter (Handbook gives component values for 10 MHz TX bandpass filter) and followed by a FET buffer.

The bandpass filter FET buffer could be the output of your VF0.

This may sound somewhat complicated, but it is not. There are only four active devices: VF0 (typically FET), Mixer/Osc (NE602), Buffer (Typically FET), and a voltage regulator 5 to 8 volt (78L05, 78L08 or the larger sized 7805 or 7808).

Do not use an adjustable regulator (LM317) for this setup. I have found that an adjustable regulator seems pass more voltage fluctuation input to output than do the fixed regulators.

Good Luck!

- Dan Tayloe, KK7BD, Phoenix, AZ QRPL # 696

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Seabury Lyon, AA1MY" <SSLYON@postoffice.worldnet.att.net>
Subject: [2433] Re: Where to begin?
Message-ID: <19961021132613.AAA13882@LOCALNAME>

I've no connection, Blair, but viewed the ARRL videos recently and found them extremely well done. Those, in combination with the relevant books are probably the best, all-around, and are good for future projects and operating refs. I'd also recommend affiliation w/local Ham Clubs, esp. if they're broad-based. (not only repeater, or DX, etc.) 73 =s=

Seabury "Seab" Lyon AA1MY
44 Codfish Hill Road
Bethel, CT, 06801, USA

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: rright@primenet.com (Roger Hightower)
Subject: [2441] Re: Where to begin?
Message-ID: <199610211509.IAA02659@primenet.com>

At 11:49 PM 10/20/96 -0700, blair thompson wrote:
>I have an acquaintance who is interested in studying for his

>ticket, but he is an arts major with no techie background or knowledge.
>Can anyone on this list recommend a REALLY basic, but graphically clear
>book (or software) which would explain the principles of electronics we
>all know and love? Might there be something interactive and downloadable
>available in cyberspace, although a book...even one written for young
>people would be OK. Thanks in advance.

I picked up a book a couple of years ago that might fill the bill....I used it to help one of my grandsons understand, since his attention span is that of a typical pre-teen.

Understanding Basic Electronics, by Larry D. Wolfgang, WR1B. Got it at Border's bookstore. It is published by the ARRL, and is available from ARRL Bookstore for \$20.00.

The book starts with the math principals needed to understand electronics, and then goes on to the good stuff. Filled with drawings and clear examples to illustrate principles. This is a good one for anyone, beginner or not.

Hope this helps,

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: Bensondj@aol.com
Subject: [2430] Re:White Mountain kit report
Message-ID: <961021091339_1779145018@emout19.mail.aol.com>

Hi folks-

on Sun, 20 Oct 1996 16:17:13 Preston Douglas <PDouglas12@aol.com. wrote

>>Gang,
>>OK, ok, I know I said I wasn't going to do blow by blow, and I won't exactly.
>> But I can see that what with Pacificon and all, I am probably out in front
>>here, ahead of the early birds for once. This creates a certain
>>responsibility to report early problems to assist the next wave to hit the
>>beach. I hate doing this, though, because folks might think this is a flawed
>>kit. These small errors don't last long, though, as folks like Dave Benson
>>have a tendency to make them disappear quickly.

Darned right! Thanks to Preston for picking this one up. I'd added a silkscreened ground symbol at the mic interface at the last minute, and my good intentions went astray. I've already modified my existing stock of manuals in response to the finding.

If you find any additional nits in the manual (as I realize will occur), contact me directly and I'll take care of them promptly. Everyone's constructive suggestions are welcome, of course. Several other recommendations which Preston made as well have already been implemented (they related to a typo and to the addition of resistor color codes to the parts list). Anytime I get questions about the construction sequence, it tells me my instructions aren't as clear as they could be. I crank in improvements immediately so that we all benefit from a better product.

73, Dave Benson, NN1G

From owner-qrp-1@Lehigh.EDU Mon Oct 21 23:12:12 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [2459] Re: WTD: Hustler 5BTV manual
Message-ID: <Pine.3.89.9610211435.A818-0100000@imc220>

>Header says most of it:) I'm looking for the measurements for the
>assembly and tuning of a 5BTV, full manual/instructions would be FB.

What an incredible, wonderful, and speedy group. 24 minute turn around!!!

Amazing... just amazing!

Thanks to all,

-- Chris Cartwright N3XRV Gaithersburg, MD | dsc3cjc@imc220.med.navy.mil --
-- EMPS QS0s=0 STATES(w/c)=0/0 DX=0 FOX=0 | QRP-L #655 QRP-ARCI #9271 --